PCT/US01/11128

```
ctgcttgctt ggcccttctg atcatgtatg catcccccaa ggatgaaatc agattttaac 1920
taataatget ggatggeetg aggaaagatt caactgeete tetttttggg etttcatagt 1980
gtteattgat getgetgget aageatttat caaageataa geteagtaae tgtgeateig 2040
gtetgtacet ggitggteet tegtetttge atgtaagete tttgagaga agggtgaage 2100
ettatttgtt ttttatgtee eetgeeaggg eetgtetetg aetaggtgte aceatacaea 210
ttettagatt gaatetgaac catgtggcag aagggataag cagettaett agtaggetet 2220
gtetaccec tteettett gtettgeec taggaggtg aatetgeet ageetggttt 2280
acggittett ataactetee titigetetet ggeeaetatt aagigggitt geeeateae 2340
tiagitetea ggeagagaea tettigggee tyteetigee caggeetetet getittitätä 2405
titgaaaatit itaaatatte acaaatitta gaataaatea aataiteeat tett
<210> 109
<211> 4577
<212> DNA
<213> Homo sapiens
<221> misc feature
<223> Incyte ID No: 995211.5
<400> 109
ccccacatga tttattcagt agtttttatg ttcccaaatt acaatttatg tctattcata 60
agactacaaa agttaccatt agaattgtct gtgcttataa aataccaact ttttttttaa 120
actgttacat atactcatta acaccagtct gcaacaagtt acatagaatc agaggcactt 180
caaaggetta aaaagaegtt tacaacttaa atgeattitt aagaacaaaa actgattitt 240
ctttaaacct ctactcgtac cttcaaattg caagaaatta acaaatacag tggccaaagg 300
aatctgcagc aacttcttaa aatactgtta acatctttgg gtttgctgag gcttgtcagt 360
aacttacatc aaatcctccc aaaagaagat ctgattagat agatatgact aaacggttit 420
gtagtaataa teeaatttta cacattaatt tgetgttgea aatetgeeca aagetacagg 480
taatgaaaaa taaagcaagt gtaaaatgga tagtetgaca ettaaaaatt tatacaaagt 540
ggaagttaaa gtttacatat ttgaaaatca catatacact aaattaccat tatetgaatt 600
ttccaaagac aaattgcacc atgacagcta caaaaggcat agggtttggt tttaagggca 660
caagaaggga gggcagagga gaggaagggg acaacagata aattaacaaa gtaagaccaa 720
cttggtaagg toaatctgag acatgctgac acaaatgaaa cagctttcat ctttgagtca 780
taggaaaaag acaatcattt tgtatttgcg cataaaagtt taaaccaatt ccatgaacat 840
cgagggtttt cataacataa tattttgcca ctgctattca cagaacactg cagatgttaa 900
attttaattt tatgttgttc taaagaaata catgaaatgt tttaaataca atgggatttt 960
atcattaaag tgccagaatg gctctttaat gaaaacaaaa aacaaagatc ttcattattc 1020
tatgcaaag ottiatittig aaaagttag (gatotata aatagagaca thatitat 1020
gittiaaga taaaateet tagtagiige ottotgataa gaagaacatga atggittiga 1140
tletcaaaga leatagette ottoateett ottotgataa gaagaactga atggittiga 1140
tletcaaaga leatagette ottoateett ottotgataa gaagaacaa aaagaagaat 1200
aagaaaaatt gcaaagagaa agccaataac tecaccagca atgacagctg ctaggacttc 1260
```

tgtccgttta aacagactgt ctgagtgttt ctcagtatac acatttgtat cctcttcggc 1320 tyggtccatt ttcctttctg agtcagagag gtgaactttc tctttatcag tttcttcagg 1380 tgactttgtc tgagcaggta tettgttetg tatattcagc gtcgtggttt ccacttttgg 1440 agcagcacta gicaacagta tottiggaag tggicgagat gitgtcagot eiggactele 1500 tacaicetca toagcicceg agcagacge agaagcgiag teategicai caataggai 1560 cactocigaa geiteticaa iggagcigii gicaaggiae aigcititai eagaigicag 1620 ctctgctccg gattcgtgtg cgcgggctgc gccgagcgct gggcaggagg cttcgttttg 1680 ccctggttgc aagcageggc tgggagcage cggtecetgg ggaatatgeg gegegegtgg 1740 atcctgetca cettgggett ggtggeetge gtgteggegg agtegagage agagetgaca 1800 tetgataaag acatgtacet tgacaacage tecattgaag aagetteagg agtgtateet 1860 attgatgacg atgactacge ttetgegtet ggetegggag etgatgagga tgtagagagt 1920 ecagagetga eaacaacteg accaetteea aagatactgt tgactagtge tgeteeaaaa 1980 gtggaaacca cgacgctgaa tatacagaac aagatacctg ctcagacaaa gtcacctgaa 2040 gaaactgata aagagaaagt tcacctctct gactcagaaa ggaaaatgga cccagccgaa 2100 gaggatacaa atgtgtatac tgagaaacac tcagacagtc tgtttaaacg gacagaagtc 2160 ctagcagotg toattgotgg tggagttatt ggetttotot ttgcaatttt tottatootg 2220 ctatyggtg atgcoatgag aaggaaggt gaaggaaggt atgacottgg agaacgcaaa 2280 ccatocagtg otgottatca gaaggcacot actaaggagt titatgcgta aaactocaac 230

ttagtgtctc tatttatgag atcactgaac ttttcaaaat aaagcttttg catagaataa 2400 tgaagatett tgttttttgt ttteattaaa gageeattet ggeaetttaa tgataaaate 2460 ccattgtatt taaaacattt catgtatttc tttagaacaa cataaaatta aaatttaaca 2520

tetgeagtgt tetgtgaata geagtggeaa aatattatgt tatgaaaace etegatgtte 2580 atggaattgg tttaaacttt tatgegeaaa tacaaaatga ttgtetttt cetatgacte 2640 aaagatgaaa getgttteat ttgtgteage atgteteaga ttgaeettae caagttggte 2700 ttacttigtt aatitatetg tigteeeett eeteteetet geeeteeett etigtgeeet 2760

```
taaaaccaaa coctatgoot tttgtagotg toatggtgca atttgtcttt ggaaaattca 2820
gataatggta atttagtgta tatgtgattt tcaaatatgt aaactttaac ttccactttg 2880
tataaatttt taagtgtcag actatccatt ttacacttgc tttatttttc attacctgta 2940
getttgggca gatttgcaac agcaaattaa tgtgtaaaat tggattatta ctacaaaacc 3000
gtttagtcat atctatctaa tcagatcttc ttttgggagg atttgatgta agttactgac 3060
aagcetcage aaacccaaag atgttaacag tattttaaga agttgetgea gatteetttg 3120
gccactgtat ttgttaatti cttgcaatti gaaggtacga gtagaggtti aaagaaaaa 3180
cagttittigt tottaaaaat gealitaagt tytaaacyte tittitaagee Ettigaagtys 3240
ototyatiet atytaactig tiyoagaciy yigitaatya yiatatytaa cagtitaaaa 3300
aaaaagityg tatititataa goacagacaa itotaatyyt aactitityta giottatyga 320
tagacataaa ttgtaatttg ggaacataaa aactactgaa taaatcatgt ggcctaatat 3420
traaaatrtc actritataa attitriaca tittiratea aatriacate tecectitre 3480
taadaggot etgeteteaa gyatgacgtg ggittgatti etaaggigtit eacagtgtet 3540
gtaaatcaag accaaagage etgecatga gactgttat tacaagatte acttetgaat 3600
tggccagagg aaatctgaat gtattatect gtgtgtgtet aggitagagat attggaagge 3660
tgccagg
acgectgett ttgcaaataa ettacaagae tgtaaattee aaagatetga atggggettt 3780
cctgatgttg gtatctaagg cttaggccta tagattgatt tacctttgga attgtgctcc 3840
aaatgtotac tgaagottaa cogaagaact aataaatgga ctacagtago tcacgttaca 3900
gggaaggagg gtaggcaggg aggctctgtg tgttaaaatg agggtctcac tgctttagga 3960
ttgaagtggc tggaaagagt gatgcctggg gaaggagatg gagttatgag ggtactgtgg 4020
ctggtacttt ctgtactaaa cattteettt ttetatttta ccactaattt tgttttaaac 4080
tgtgagccgt ccaagtcaga agaaqacagc aaaaaaaaagc aacttttcca acatacaatt 4140
tacttitaat aaagtatgaa tattteatit tgagaacatt eeetggaatt gecacataat 4200
teattaaann eatititita ageaacacti ggaacagtgi tiactitaaa seettaatgg 4260 eettaattaa titotaagat ootgeecsei eacttacaga accaattoac titagagtga 4320 etaaaaggga acgattoac titagagtga 4320 etaaaaggga acgattoaca titagagtga 4320 ee
actgotggga atateogtgo caggaaaaga aaaatttetg gcaaatattt tgtcactgot 4500 gtaaagcaaa atatttgtga aagtgccaaa ataaagcttg tcatgccaaa agtaaaaga 4560
aaaaaaaagg gcggccg
<210> 110
<211> 2646
<212> DNA
<213> Homo sapiens
<221> misc_feature
<223> Incyte ID No: 238824.2
<221> unsure
<222> 43, 55, 93, 106
<223> a, t, c, g, or other
<400> 110
ggacgegeeg catgegeege gcaacccagg ccacgageae ggnegegtge ttaantcage 60
gegegeege tacegaegeg aggaggeee geneteeage eeggeneege tegetggeet 120
geoetectet tgetaccete coggegeaga gaacceegge tgeteagege geteegggt 180
catggagate ecegggaget tgtgcaagaa agteaagetg agcaataaeg egeagaactg 240
gggaatgcag agagcaacca atgtcaccta ccaagcccat catgtcagca ggaacaagag 300 aggtcaggtg gtggggacca gaggtggett tegtggttge acagtttgge taacaggett 360
gtctggagcg ggaaagacta ctgtgagcat ggccttggag gagtacctgg tttgtcatgg 420
tattecatge tacactetgg atggtgacaa tattegtcaa ggtetcaata aaaatettgg 480
ctttagteet gaagacagag aagagaatgt tcgacgcate gcagaagttg ctaaactgtt 540
tgcagatgct ggcttagtgt gcatcacaag tttcatatca ccttacactc aggatcgcaa 600
caatgcaagg caaattcatg aaggtgcaag tttaccgttt tttgaagtat ttgttgatgc 660
teetetgeat gtitgtgaac agagggatgt caaaggacte tacaaaaaaag ceegggcagg 720
agaaattaaa ggtttcactg ggatcgattc tgaatatgaa aagccagagg cccctgagtt 780
ggtgctgaaa acagactect gtgatgtaaa tgactgtgtc cagcaagttg tggaacttct 840
acaggaacgg gatattgtac ctgtggatge atcttatgaa gtaaaagaac talatgtgcc 900
agaaaataaa cttcatttgg caaaaacaga tgcggaaaca ttaccagcac tgaaaattaa 960
taaagtggat atgcagtggg tgcaggtttt ggcagaaggt tgggcaaccc cattgaatgg 1020
ctttatgaga gagagggagt acttgcagtg ccttcatttt gattgtettc tggatggagg 1080
tgtcattaac ttgtcagtac ctatagttet gactgcgact catgaagata aagagagget 1140
qqacqqctqt acaqcatttq ctctqatqta tqaqqqccqc cqtqtqqcca ttcttcqcaa 1200
```

```
tccagagttt tttgagcaca ggaaagagga gegetgtgee agacagtggg gaacgacatg 1260
caagaaccac ccctatatta agatggtgat ggaacaagga gattggctga ttggaggaga 1320
tcttcaagtc ttggatcgag tttattggaa tgatggtctt gatcagtatc gtcttactcc 1380
tactgagcta aagcagaaat ttaaagatat gaatgctgat gctgtctttg catttcaact 1440
acgcaaccca gtgcacaatg gacatgccct gttaatgcag gatacccata agcaacttct 1500 agagaggggc taccggcgcc ctgtcctcct cctccaccct ctgggtggct ggacaaagga 1560
tgacgatgtt cetttgatgt ggcgtatgaa gcagcatget gcagtgttgg aggaaggagt 1620
totgaatoot gagacgacag tggtggccat ottoccatct occatgatgt atgotggacc 1680
aactgaggte cagtggcatt gcagagcacg gatggttgca ggagccaact tttacattgt 1740
tggacgagac cetgetggca tgcetcatec agaaacaggg aaggatettt atgagecaag 1800
teatggtgcc aaagtgetga egatggeece tggtttaate actttggaaa tagtteeett 1860
togagttgca gettacaaca agaaaaagaa gegtatggae tactatgaet etgaacaeca 1920
tqaaqacttt qaatttattt caqqaacacq aatqcqcaaa cttqctcqaq aaqqccaqaa 1980
accacctgaa ggtttcatgg ctcccaaggc ttggaccgtg ctgacagaat actacaaatc 2040
cttggagaaa gettaggetg ttaacccagt cactccacet ttgacacatt actagtaaca 2100
agagggace acatagtete tgttggcatt tetttgtggt gtetgtetgg acatgettee 2160
taaaaacaga ccattitect taacitycat cagtitiggi etgecttatg agtictgitt 2220
tgaacaaggi taaacacatg atggitttaa tgtatctitt ccattatta tagtitatatt 2380
octacaatac aatitiaaaa tigtettitt atattatatt tatgcitctg tgicatgatt 237
ttttcaagct gttatattag ttgtaaccag tagtattcac attaaatctt gctttttttc 2400 cccttaaaaa aagaaaaaaa ttaccaaaca ataaacttgg ctagaccttg ttttgaggat 2460
Ettacaagac olitgtagog attagattit tittotacai tgaaaataga aactgotico 2520
litoticiti coagicagot attggtotit coagicigita taatotaag tattottatig 2580
atotgigitaa goiotgaatg aacitotita oloaatata taattiiti ggotiotitaa 262
aaaaaa
<210> 111
<211> 3328
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 474592.3
<400> 111
geographic transfer of the control o
oggoogtiga aaccocogog getgetteet gggaaggteg tgagteecge tgagetgtee 120
eeggtgeege egaceeggge eeggtgeece tggeteeage egetgeegee tegateteet 180
egteteeege teegeeetee ettiteeetig gatgaactig egteetitet etteteegee 240
atggaattet geteegtget tttageeete etgageeaaa gaaaceeeag acaacagatg 300
cccatacgca gcgtatagca gtaactcccc agctcggttt ctgtgccgta gtttacagta 360
tttaatitta tataatatat attatttatt atagcatttt tgatacctca tattctgttt 420
acacatettg aaaggegete agtagttete ttactaaaca accactacte cagagaatgg 480 caaeggtgat taccagtact acagetgeta cegeogette tggteetttg gtggactace 540
tatggatgct catcctgggc ttcattattg catttgtctt ggcattctcc gtgggagcca 600
atgatgtage agattetttt ggtacagetg tgggeteagg tgtagtgace etgaagcaag 660
cetgcatect agetageate tttgaaacag tgggetetgt ettactgggg gecaaagtga 720
Gegaaccat ceggaaggg tigattgaeg tggagttg caactatggg gecaaggeg 720
gegaaccat ceggaaggg tigattgaeg tggagatgt caactatggg gecaaggeg 730
tgatggeeg cheagtagi getatgttg giteigeagt tiggacact giggetteg 840
tittgaaget cectattet gga
tegtggcaaa ggggcaggag ggtgtcaagt ggtctgaact gataaaaatt gtgatgtctt 960
ggttcgtgtc cccactgctt tctggaatta tgtctggaat tttattcttc ctggttcgtg 1020
cattcatect ccataaggca gatccagtte ctaatggttt gcgagetttg ccagtttet 1080 atgcctgcac agttggaata aacctctttt ccatcatgta tactggagca ccgttgctgg 1140
getttgacaa actteetetg tggggtacea teeteatete ggtgggatgt geagtittet 1200
gtgeeettat egtetggtte titgtatgte eeaggatgaa gagaaaaatt gaacgagaaa 1260
taaagtgtag teettetgaa ageceettaa tggaaaaaaa gaatagettg aaagaagace 1320
atgaagaaac aaagttgtct gttggtgata ttgaaaacaa gcatcctgtt tctgaggtag 1380
ggcctgccac tgtgcccctc caggctgtgg tggaggagag aacagtctca ttcaaacttg 1440
gagatttgga ggaagctcca gagagagaga ggetteccag egtggaettg aaagaggaaa 1500 ccagcataga tagcaecgtg aatggtgcag tgeagttgee taatgggaac ettgtecagt 1560
tcagtcaagc cgtcagcaac caaataaact ccagtggcca ctaccagtat cacaccgtgc 1620
ataaggatte eggeetgtae aaagagetae teeataaatt acatettgee aaggtgggag 1680
attgcatggg agactccggt gacaaaccct taaggcgcaa taatagctat acttcctata 1740
ccatggcaat atgtggcatg cctctggatt cattccgtgc caaagaaggt gaacagaagg 1800
gcgaagaaat ggagaagctg acatggccta atgcagactc caagaagcga attcgaatgg 1860
```

```
acagttacae cagttactqc aatgctqtqt ctqaccttca ctcaqcatct qaqataqaca 1920
 tgagtgtcaa ggcagagatg ggtctaggtg acagaaaagg aagtaatggc tctctagaag 1980
 aatggtatga ccaggataag cctgaagtet cteteetett ccagtteetg cagateetta 2040
caggoright tyggicathe geocatgit greatgeag taageagatg cattggged 2100
Ciggithget tatattiggt tatgacaca gagaatgit etteaaag ggeaacaca 2160
atatggete bactetag tyggitggt tatotgytt geteggt tagggataga 220
 agagitatee agaccatggg gaaggatetg acaccgatea caccetetag tggetteagt 2280
 attgaactgg catctgccct cactgtggtg attgcatcaa atattggcct tcccatcagt 2340
augaacatt gataagtggt activityiy augustus gotteriy gotteriy acadaacatt gataagtget acadaacatt gataagtget acadaacat gutaagtget acadaacat gutaagtget acadaacat gutaagtget acadaacat gutaagtget acadaacat acadaacat
 tgtttgagat taaaalttgt gtcaatgttt gggaccatct taggtattee tgctcccctg 2580
aagaatgatt acagtgttaa cagaagactg acaagagtct ttttatttgg gagccagagg 2640 agggaagtgt tacttgtgct ataactgctt ttgtgctaaa tatgaattgt ctcaaaatta 2700
gctgtgtaaa atagoccggg ttccactgge tectgctgag gtccccttte cttctgggct 2760
gtgatbcet gtcactattt totactttt tgtatcagge ttcaattcoa ttatgtttta 2820
atgstgtctc tgaagatgac ttgtgatttt ttttcttt ttttaaacca tgaagaggccg 280
 ttigacagag catgeteige gtigitggtt teaccagett etgeceteae aigeacaggg 2940
 atttaacaac aaaaatataa ctacaacttc cettgtagtc tettatataa gtagagteet 3000
tggtactctg coctoctgtc agtagtggca ggatctattg gcatattcgg gagcttctta 3060
gagggatgag gttctttgaa cacagtgaaa atttaaatta gtaacttttt tgcaagcagt 3120
 ttattgactg ttattgctaa gaagaagtaa gaaagaaaaa gcctgttggc aatcttggtt 3180
atttetttaa gatttetgge ägtgtgggat ggatgaatga agtggaatgt gaaetttggg 3240
caagttaaat gggacageet tecatgttea tttgtetace tettaactga ataaaaaag 3300
ctacaqtttt tagaaaaaac cegaatte
<210> 112
<211> 2434
<212> DNA
 <213> Homo sapiens
 <221> misc_feature
 <223> Incvte ID No: 431338.2
<220>
 <221> unsure
 <222> 834-868, 871
 <223> a, t, c, q, or other
<400> 112
ggetgetaaa eecaacegea gttgactage acetgetace gegeetttge. tteetggege 60
 acqcqqqqcc tcctggagcc tgccaccatc ctgcctacta cgtgctgccc tgcgcccgca 120
gccatgtgcc gcaccetggc egectteccc accacctgcc tggagagagc caaagagttc 180 aagacacgtc tggggatett tetteacaaa teagagetgg getgegatac tgggagtact 240
ggcaagttcg agtggggcag taaacacagc aaagagaata gaaacttctc agaagatgtg 300
ctggggtgga gagagtcgtt cgacctgctg ctgagcagta aaaatggagt ggctgccttc 360
cacgctttcc tgaagacaga gttcagtgag gagaacctgg agttctggct ggcctgtgag 420
gagtteaaga agateegate agetaceag etggeeteea gggeaeacea gatetttgag 480
gagtteattt geagtgagge ectaaagag gteaaeattg aceatgagae eegegagetg 540
aegaggatga acetgeagae tgeeaeagee acatgettg atgeggetea ggggaagaea 600
 cgtaccotga tggagaagga ctcctaccca cgcttcctga agtcgcctgc ttaccgggac 660
 ctggctgccc aagcctcagc cgcctctgcc actctgtcca gctgcagcct ggacgagccc 720
tcacacacct gagtctccac ggcagtgagg aagccagccg ggaaggagg ttgagtcacc 780 catccccgag gtggctgccc ctgtgtggga ggcaggttct gcaaagcaag tgcmmnnnn 840
 nunnnnnnn nnnnnnnnn nnnnnnnntg ngetecagea geetgtttgg gaageageag 900
 teteteette agataetgtg ggacteatge tggagagggg cegeceactt ceaggacetg 960
tgaataaggg claatgatga gggttggtgg ggctctctctf ggggcaaaaa ggtggtatgg 1020
ggtgttagcac tggctctcgf totcaccgga gaaggaagtt ttctagtytg gtttaggaa 1030
catgtggata aagggaacca tgaaaatgag aggaggaaag acatccagat cagctgttt 1110
 geotgitget cagitgacte tgattgeate cigititeet aatteccaga cigitetggg 1200
 cacqqaaqqq accetqqatq tqqaqtette ceetttqqee etecteactq qeetetqqqe 1260
 tageccagag tecettaget tgtacetegt aacacteetg tgtgtetgte cageettgca 1320
gtcatgtcaa ggccagcaag ctgatgtgac tettgcccca tgcgagatat ttatacctca 1380
aacactgggc ctgtgagccc tttccaagtc agtggagagc cctgaaagga gcctcacttg 1440
aatocagete agtgetetgg gtggeeeeet geaggtggee eetgaceetg egttgeagea 1500
 gggtccacct gtgagcagge ccgccctggg gcctcttcct ggatgtgccc tctctgagtt 1560
```

```
etgtgetgte tettggagge agggeecagg agaacaaagt gtggaggeet eggggagtgg 1620
cttttccage teteatgece egeagtgtgg aacaaggeag aaaaggatee taggaaataa 1680
gtetettgge ggteeetgag agteetgetg aaateeagee agtgtttttt gtggtatgag 1740
aacaggeaaa aagagatgee eegagataga aggggageet tgtgtttett teetgeagae 1800
gtgagatgaa cactggagtg ggcagaggtg gcccaggacc atggcaccct tagagtgcag 1860
aagetggggg gagaggetge ttegaaggge aggaetgggg ataatcagaa cetgeetgte 1920
aceteaggge ateaetgaac aaacatttee tgatgggaac teetgeggea gageecagge 1980
tggggaagtg aactacccag ggcagcccct ttgtggccca ggataatcaa cactgttctc 2040
tetgtaccat gagctcctcc aggagattat ttaagtgtat tgtatcattg gttttctgtg 2100
attgtcataa cattgttttt gttattgttg gtgctgttgt tatttattat tgtaatttca 2160
gtttgectet actggagaat etcagcaggg gtttcagcet gactgtetee etttetetae 2220 cagactetae etctgaatgt getgggaace tettggagee tgteaggaae tecteaetgt 2280
ttaaatattt atttattgtg acaaatggag etggttteet agatatgaat gatgtttgea 2340 atccccattt teetgtttea geatgttata ttettataaa ataaaageaa aagteaaata 2400
tgaaaaaaa agggcggccg ccgactagtg aggg
<210> 113
<211> 14835
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 412631.5
<221> unsure
<222> 7754-7788, 11011-11037
<223> a, t, c, g, or other
cgcccgggca ggtggcggca gagctgaagt gagcggagcc accaggaggc catgtcgggt 60
gaggacgetg aggteeggge agtetetgaa gatgteteea atggaageag tggetegeee 120
ageeetgggg acacactgee etggaacett gggaaaacge ageggageeg gegeageggg 180
ggtggegetg ggagcaacgg gagtgteetg gaeceagetg agegggeggt eattegeate 240
gaagatgage gggategtgt goagaagaaa acetteacea agtgggteaa caagscacet 300
ataaaggeec agaggcacat cagtgacetg tatgaagaac teegegatgg cacaaacets 360
atctccctgc tggaggtcct ctcgggggac agcctgcccc gggagaaggg gaggatgcgt 420
ttccacaagc tgcagaatgt ccagattgcc ctggactacc tccggcaccg ccaggtgaag 480
ctggtgaaca tcaggaatga tgacatcgct gacgggaacc ccaagctgac ccttggcctc 540
atctggacaa tcattctgca cttccagatc tcagatatcc aggtgagtgg gcagtcggag 600
gacatgacgg ccaaggagaa getgetgetg tggtegeage gaatggtgga ggggtaccag 660
ggcctgcgat gcgacaactt cacctccage tggagagacg gccgcctctt caatgccate 720
atccacegge acaageeest geteategae atgaacaagg tgtaceggea gaccaacetg 780
gagaacetgg accaggeett etetgtggeg gagegggace tggggagtgae geggeteetg 840
gaccotgagg acgtggatgt coctcagooc gacgagaagt coatcatcac ctacgtoteg 900
tegetgtatg aegecatgee eegegtgeeg gaegtgeagg atggggtgag ggecaacgag 960 etgeagetge getggeagga gtaeeggaae tggtgetget getgetteag tggatgegae 1020
accacaegge egeetttgag gaacgeaggt teceeteeag ettegaggag attgagatee 1080
tgtggtetea gtteetgaag tttaaggaga tggagetace agccaaggag geegacaaga 1140
acaggtecaa gggcatetac caateeetgg agggageggt gcaagcagge cagetcaagg 1200
tgccccctgg ctaccacccg ctggatgtgg agaaggagtg gggcaagctg cacgtggcca 1260
tcctggagcg ggagaagcag ctccgcagcg agtttgagag gctggagtgt cttcagcgca 1320
tegtgaccaa getgeagatg gaggegggge tgtgtgagga geagetgaac caggeegaeg 1380
ccetgetgea gteggatgte eggetgetgg etgeaggeaa agtgeeacag egggegggg 1440
aggtggaacg ggacttggac aaggeggata geatgateeg getgetette aacgacgtge 1500
agaccetcaa ggatggacgg caccegcagg gegagcagat gtaccgcagg gtgtaccgte 1560
tgcacgageg cetggtagec atcegcaceg agtacaacet acggetgaag geaggegtgg 1620
eggeceetge aacceaggtg geecaggtga etetgeagag tgtgeagagg egeecegage 1680
tggaggacte cactetgege tacetgeagg acetgetgge etgggtggag gagaaccage 1740
acceptqtqqa tqqqqtqtqqq acctqcccaq cqtqqaqqcq caqctqqqca 1800
gccaccgagg cetgcaccag tccatcgaag aattccgggc caagatcgag cgggcacgga 1860
gtgacgaggg ccagetetee eccgecacce ggggtgeeta ccgtgactge etgggtegge 1920
tggacetgca gtacgecaag etgetgaact cetecaagge eegeeteagg teeetggaga 1980
gettgeacag etttgtggca geegecacta aggagetaat gtggetgaat gagaaggagg 2040
eggaggaggt gggettegae tggagegaee geaacaccaa catgacegee aagaaggaga 2100
gctactcggc gctgatgcgg gagctggagc tqaaqqaqaa gaaqatcaag qagctccaaa 2160
```

atgetgggga	ccggctgctg	coordagacc	acceddeced	acceacaata	gagteettee	2220
aggeggeeee	gcagacgcag	tggagetgga	tgctacaget	gigeigeigi	accgaggcac	2280
acctgaagga	gaacgctgcc	tactttcact	tetteteaga	tatacaggag	accasaaaac	2340
agrigcagaa	gctgcaggag	gcactgcgta	ggaaatacag	tigigalege	reegecaceg	2400
teaccedent	ggaggacctg	ctacaaata	cccaddacda	daaddaacad	ctgaacgagt	2460
	35-55			99		0500
acaagggcca	cctctcaggc	ctggccaage	gggccaaggc	cgtcgtgcag	ctgaagecee	2520
ODGO CCCACC	ccaccccatg	caaaaacaaca	traccoctact	agecatatae	gactataage	2580
granouougo	oomooomug	oggggoogee	ogeocouge	agooguguge	gac carrange	2555
agguggaggu	gactgtgcac	aagggtgacg	agtgeeaget	ggtgggccct	gcacagccgt	2540
cccactggaa	ggtgctcagc	ageteeggea	dedaddeede	cataccetee	atatacttcc	2700
	ggugucoagu	ageceeggea	gegaggeege	cgcgccccc	gegegeeeee	2700
tggtgccccc	gctcaaccag	gaggcccagg	aggccgtcac	caggetggag	gcccagcacc	2760
aggecetagt	cacgctgtgg	caccagttgc	acottopacat	gaagaggett	ctaacctaac	2820
aggoootggt	odogougugg	odcodgingo	auguggacat	gaagagcott	ctggcttggt	2020
agageetteg	ccgcgacgtg	cageteatee	getegtggte	cctggccacg	tteegeacce	2880
tgaagggaga	ggagcagcgc	caageeetge	acadectada	actacactac	caracettee	2940
	ccaggacgcg					
gegagtaegg	ctcctgcagc	caccactacc	agcagctgct	acadadecta	gaacagggtg	3060
Cacaddaaga	gtctcgctgc	anagataan	tatacasaat	gaaagaata	aggat gasag	2120
cacaggaaga	greecegerege	cagcyccyca	LCCCCGagcc	Cadagacacc	cggctgcagc	3120
tggaggeetg	tgagacgcgc	accgtgcacc	geetgegget	gccgctggac	aaagagccgg	3180
	tgcccagcgc					
- cacgggagag	Lgoodagege	acceccegage	ageagaagge	acaggcagag	a caadaaaa	2240
rgggcaaggg	ggtcgcccgg	ctctctgccg	aggccgagaa	ggtcttggcc	ctaccagage	3300
categgetge	ggcccccacg	chacachean	agetggaget	da cactadae	aagetggage	3360
nach assess	aabababaa			55555		2420
	cctgtctgcc					
gcggcacgca	gggggccgag	gaggtgctca	addeceacda	ggaggagete	aaggaggccc	3480
aggeeg tgee	ggccaccctc	eeggageteg	aggecaccaa	ggeetetetg	aagaagetge	3340
gggcccaggc	cgaggcacag	cagcccacgt	tegaegeeet	acadaataaa	ctacaaaaaa	3600
	gggggagcga					
cacaggagge	aaaaadaacaa	cegeageage	ggcacgggga	gcgggacgcg	gaggragage	3000
gctggcggga	gegggtegee	cagttgcttg	agegetggea	ggetgtgetg	gcccagaccg	3720
acotocooca	gcgcgagctc	gaggaactgg	accaccaact	gegttactac	cacasasata	3780
acgegegea	gegegagete	gagcaacegg	gccgccagcc	gegetactae	cgcgagagcg	3700
cagacccctt	gggcgcctgg	ctgcaggacg	ccaggcggcg	gcaggagcag	atccaggcca	3840
taccactage	cgacagccag	actatacaaa	aggaggtggg	ncaggaggag	accetactaa	3900
aggagatega	gegeeaegge	gagaaggicg	aggagtgcca	gaggilligeg	aaacagtaca	3300
tcaacgccat	caaggactat	gaactccagc	tggtgacgta	caaggcgcag	cttgagccgg	4020
	ggccaagaag					
getaaccetg	gctctactcc	acagtacgtg	gacctgcgta	cgcactacag	cgagctgacc	4140
acactgacga	gccagtacat	caagttcatc	agcgagactc	tacaacacat	Deposition	4200
	ctgagcagca					
acactagaga	agcagcggca	actaaccaaa	acacacacac	agggaaaggg	nannonnan	4320
	aggagctgca					
gcggtggacg	cgcagcagca	gaagcgcagc	attcaggagg	agctgcagca	getgeggeag	4440
	cggagateca					
ctgcgcatcg	aggaggagat	ccgcgtggtg	cgcctgcagt	tggaggecae	cgagcgccag	4560
cataacaaaa	ctgaggggga	actacaggea	ctgcgtgcac	aggaggagga	aget gaggea	4620
	aggcgcagga					
caccotaacc	ggcaggcgga	aataaaacta	acctcacaca	tgaaggccga	aaccaaaaca	4740
anannanana	agcagcgggc	actacaaaaa	atagaggagg	taggagataga	22222222	4900
geggagegge	gcctgcggca	ggccgaggtg	gagegagege	ggcaggtaca	ggtggccctg	4860
dadacddcdc	agcgcagtgc	adaddoddad	charagea	aacacacatc	cttcaccasa	4920
	agetggageg					
gaggaggetq	ageggeggge	acagcagcag	geegaggeeg	agegggegeg	cgaggaggca	5040
	tggagcgctg					
gagaggaga	- uggagegetg	gougottaag	gccuucyayy	cyclacyycl	geggetgeag	2400
gcggaggagg	tggcgcagca	gaagagcetg	gcgcaggccg	aggetgagaa	gcagaaggag	5160
gagggggagg	gcgaggcgcg	acaacacaac	apararagana	aggagggggt	ccddcadcdd	5220
5-55-55-50	5-5-55-5-5	202202020	~~99099~95	agoaggooga	coggougogg	E000
gagetggetg	aacaagagct	ggagaagcag	eggcagcigg	cggaaggcac	cgcgcagcag	5280
cacctaacca	cggagcagga	attaatccaa	etacaaacca	agacggagga	gggggggggg	5340
caycyycayc	tgctggagga	ggagerggee	cygorgoago	y cyayycygc	Lycayccacg	3400
cagaaacggc	aggagctgga	agccgagctq	gccaaggtqc	gggccgagat	ggaggtgctq	5460
	aggegaggge					
	ccgaggccgg					
accetagena	aagaggccaa	acaacaacaa	caactaacca	aggaagacgc	aacacaacaa	5640
000000000000000000000000000000000000000	account account	acttacac.	222 203	agat agge	2222222	E700
cyggccgagg	cggagcgggt	gerigeggag	aagetggeeg	ccarcggcga	gyccacgcgg	5/00
ctcaagacaa	aggcggagat	cgcgctcaag	gagaaggagg	cggagaacga	acacctacaa	5760
caactaacaa	aggacgaggc	cttccacca	caacaactaa	audaudauau	00000000000	5820
caaccaacaa	aggacgaggc	culcuagegg	caacaaccaa	aggagtaggt	cycycaacac	5020
aaggctgaca	tcgaggagcg	cctggcccaq	ctgcgcaagq	categgacag	cgagctggag	5880
coocagaagg	ggctggtgga	ndacacacta	aggraggggg	aacaaataaa	daagaaa+c	5940
	saccaa caaa	ggacacgety	-sycaycyyc	ggcagg.gga	ggaugagatt	2240
	aggcgagctt					
ctgggacgca	tccgcagcaa	cocoogaggac	acactacaca	gcaaggagga	aaccaaacta	6060
anagataga			goog og ou	5-aaggagea	99009ug009	
	aaaaaaaa					
gaggeege	ggcagcggca	gctggcggcg	gaggaggagc	ggcggcgccg	tgaggctgag	6120
gagegegtge	ggcagcggca agaagagcct	ggcggcggag	gaggaggagc gaggaggccg	ggcggcgccg	tgaggetgag gaaggeggeg	6120 6180

ctggaggaag	tegagegget	gaaagecaag	gtggaggagg	egeggegeet	gegggagega	6240
gcggagcagg	agteggegeg	gcagetgcag	ctggcccagg	aggeegeeca	gaageggetg	6300
caggcggaag	agaaggcaca	egeettegeg	gtgcagcaga	aggagcagga	gctacagcag	6360
acgctgcagc	aggagcagag	cgtgctggac	cagetgegeg	gcgaggcgga	ggeggeeegg	6420
egggeggetg	aggaggcgga	ggaggcccgg	gtgcaggcgg	agcgtgaggc	ggcgcagtcc	6480
					ggcacaggcc	
cgggctcagg	cacaggcggc	tgcagagaag	ctgcgcaagg	aggccgagca	agaggeggea	6600
eggegggeae	aggcggagca	ggcggccctg	cggcagaagc	aggcagctga	cgcggagatg	6660
					ggagcaggag	
					gctggacgag	
					ccaggtggag	
gaggagctct	teteggtgeg	cgtgcagatg	gaggagctga	gcaagctcaa	ggcacgcatc	6900
gaggctgaga	accgcgcact	catcttgcgt	gacaaggaca	atacgcagcg	cttcctgcag	6960
gaggaggctg	agaagatgaa	gcaggtggcg	gaggaggccg	cgcggctgag	tgtggeggee	7020
					gegggeettg	
					actcaaggct	
gaggcggaac	tgctgcagca	gcagaaggag	cttgcgcagg	agcaggcgcg	gcggctgcag	7200
gaggacaagg	agcagatggc	gcagcagctg	gcggaggaga	cgcagggctt	ccagcggacg	7260
ctggaggccg	ageggeageg	gcagctggag	atgagcgctg	aggetgageg	cctcaagctg	7320
egtgtggeeg	agatgagccg	agcccaggcc	cgcgctgagg	aggacgccca	gegetteegg	7380
					ccaggagaag	
					tgeegagege	
ctgcgggagg	ccatcgctga	gctggagcgt	gagaaggaga	agctccaaca	ggaggccaaa	7560
ctgctgcagc	tcaagtctga	ggagatgcag	acggtgcagc	aggagcagct	gctgcaggag	7620
acgcaggccc	tgcagcaaag	cttcctctct	gaaaaggaca	gcctgctaca	gcgggagcgc	7680
ttcatcgagc	aggagaaggc	caagetggag	cagetettee	aggacgaggt	ggccaaggca	7740
cagcagctgc	gtgnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnga	acggcagcgg	7800
ctggtggcca	gcatggagga	ggcgcggcgg	eggeageatg	aggccgagga	gggcgtgcgg	7860
cgcaagcagg	aggagetgea	gcagctggag	cagcagcggc	ggcagcagga	ggagetgetg	7920
gctgaggaga	accagagget	gcgtgagcag	ctgcagctcc	tggaggagca	gcaccgggcc	7980
gegetggege	actcagagga	ggtcactgcc	tegeaggtgg	ctgccacaaa	gaccetgece	8040
					cagcttcgat	
					gagtgcggag	
gagetgeage	ggttggcgca	gggccacacc	acggtggacg	agetegeacg	gegggaagae	8220
					ggccaccaat	
gagaagetga	gtgtttacgc	cgccctgcag	aggeagetge	tgagtcccgg	cacggccctc	8340
accetgetgg	aggegeagge	ggcctcaggc	tteetgetgg	accetgtgeg	gaaccggcgg	8400
					ccacaagctg	
ergreggeeg	agegegeegt	cactggctac	aaggacccct	acactggcca	gcagatetet	8520
ccccccaag	ccatgcagaa	gggcctcatc	gcccgggage	acggeateeg	cctgctggag	8580
geecagateg	ccacgggegg	egttategae	cccgtgcaca	gecaeegegt	gcccgtggac	8540
giggeetaee	ggcgcggcta	ettegaegag	gagatgaace,	gegreergge	ggaccccagc	8700
					cctgcagcta	
					cacggataag	
					ctttgagaag	
					tttgggagat	
					agttccgcac	
					aggagcagga	
gcagaagggc	gtgotteget	gagagagaga	gegeageetg	gryccageeg	ccgagctgct	0100
ggagagcagg	gccaccgacc	gegageteta	ccagcagety	cagcgaggtg	agegetetgt aegteatege	3100
gegagaegea	geegaggegg	acactgtgtg	gegggetete	tagastgcca	tgaagaaaga	2240
gggtgtatgg	taggaggagg	cygggcagaa	getgagtate	tacaatgeec	.gaagaaaga	9300
cetgetgeta	cccgacatgg	ccgcggcccc	getggaagee	gazatagata	ccgggcacat ctggcctggt	9300
					ggtacaggga tcattccccq	
ggagcagggc	cagatages	tagatataga	atagagaga	ggcggcalcg	tggaccccag	9660
					atgaggagac ccagcacagg	
ggagccggcc	ccactataca	agetecayea	taggagagaga	cocyaccage	tgaccgggct	9840
gayeetyety	catagagagat	ttrassacro	coorditions	atacacataa	tctactcaga gtggcttcaa	2040
gargaaggee	ctracactat	gggagagagac	cacciggingag	tacttoacta	eggageageg	9960
totosttssa	abortor	ceegeaeggg	caaggtcacc	guggagaagg	tcatcaagat	10020
cctccattacc	cctataccac	ccadcdadac	cotgoggeag	gagaggetgt	ccttcagcgg gcagagccca	10140
gurryaydag	cccaayyacg	yvaayacyac	ggreaaggae	crreggage	tgggctccgt	T0200

gcggacgctg	ctgcagggca	gtggctgcct	cgccggcatc	tacctggagg	acaccaagga	10260
gaaggtgtcc	atctacgagg	ccatgcgccg	gggcctgctg	agagccacaa	eggetgeget	10320
cctgctggag	gegeaggegg	ccactggctt	cctggtggac	cccgtgcgga	accagegeet	10380
gtatgtccac	gaggccgtga	aggegggegt	ggtgggcccc	gagetteacg	agcagctgct	10440
	aaggccgtca					
	atgcagaagg					
ccagategee	acgggcggca	tcatcgaccc	cgtgcacage	caccgcgtgc	ctqtqqacqt	10620
ggcctaccag	cgcggctact	tcagtgagga	gatgaaccgc	gteetggegg	accccagcga	10680
	ggcttctttg					
agaacaatac	gtggaggacc	ccgagacggg	cctgcgcctt	ctgccactga	aaqqqqcqqa	10800
	gtggtggaga					
tgaagagaga	cagategaca	tteceggegg	CCCCCCCCCC	gacaactcca	ccatatccct	10920
	atgcagtcgg					
cttccagge	ggccgggtga	ccaaggaacg	nnnnnnnnnn	nnnnnnnnnn	nnnnnntga	11040
	atcatccgcc					
cacqqctqaq	gacctgttcg	aggeteggat	catctctctc	gagacetaca	acctdctccd	11160
adsaddacsec	aggageetee	atagaaatat	caaaaaaaaaa	tecacetaat	actaceteta	11220
taacacaaa	teegtggetg	atatataaat	acceasttee	addagaagaa	tanacatata	11280
ccarrccctc	aagaaagggc	tactasatac	casaataaca	cacctactac	transcace	11340
adagaccasa	ggetteetge	terrangeret	assaaaaaaa	aggatgaata	tagataaaaa	11400
tataaaaaa	ggeetegtgg	cggacccggt	gaagggggag	atactataca	atasaaaaaa	11460
rgtgcggaag	taggetegtgg	ggeeegaget	geacgacege	tagatattaa	ergageggge	11520
	taccgtgacc					
gaaggagetg	atccctactg	aggaggeeet	geggetgetg	gatgeecage	Lggccaccgg	11290
eggeategtg	gacccccgcc	tgggetteea	cetteceetg	gaggtggett	accagegtgg	11040
ctacctcaac	aaggacacgc	acgaccaget	greagageee	agegaggtge	geagetaegt	11/00
ggacccgtcc	accgacgage	geeteageta	cacgcagctg	ctcaggcggt	geegtegtga	11760
cgacggcacc	ggccagctgc	tectgecact	gteggaegee	cgcaagctga	ccttccgtgg	11820
cctgcggaag	cagatcacca	tggaggaget	ggtgcgctcg	caggtcatgg	acgaggccac	11880
ggcgctgcag	ctgcgggagg	gcctgacctc	catcgaggag	gtcaccaaga	acttgcagaa	11940
gttcctggaa	ggcaccaget	gcatcgctgg	tgtcttcgtg	gacgccacca	aggaacggct	12000
ctcggtgtac	caggccatga	agaagggcat	catccgcccc	ggcacagcct	ttgageteet	12060
	geggeeaceg					
ggaggaggct	gtgcgtatgg	gcattgtggg	ccccgagttc	aaggacaagc	tgctgtcggc	12180
cgagcgcgcc	gtcactgggt	acaaggaccc	ctactctggg	aagctcatct	ccctcttcca	12240
ggccatgaag	aagggcctga	tcctgaagga	ccatggcatc	egeetgetgg	aggcccagat	12300
cgccacgggc	ggcatcatcg	accctgagga	gagccaccgg	ctgcccgtgg	aggtggccta	12360
caagcgcggc	ctcttcgatg	aggagatgaa	cgagatcctg	accgacccct	cggacgacac	12420
caagggcttc	tttgacccta	acacggagga	gaacctcacc	tacctgcagc	tgatggagcg	12480
ttgtatcact	gacccccaga	egggeetgtg	tetettgeeg	ctgaaggaga	agaagcggga	12540
geggaagaeg	toetccaagt	cctccgtgcg	caagegeega	gtggtcatcg	tggaccccga	12600
gacgggcaag	gagatgtcag	tgtacgaggc	ctaccgcaag	ggcctgattg	accaccagac	12660
gtacctggag	ctgtccgage	aggagtgcga	gtgggaggag	atcaccatct	cctcctcgga	12720
eggegtggte	aagtccatga	teategaceg	ccqctccqqq	egecagtacg	acatcgatga	12780
	aagaacctca					
ctccatcacc	gagttegeeg	acatoctete	ggggaacgcc	aataatttee	actcccattc	12900
ctcctcaata	ggatcctcct	cctcctaccc	catcagecee	accateteca	ggacccagct	12960
	tcagacccca					
gacgetggag	aaggtgtcca	teaccgagge	catgcaccgg	aacctggtgg	ataacatcac	13080
	ctgctggagg					
tgagcgcttc	cctgtcaccg	accccctcaa	caagggggtg	gtggagaaga	tcatcctcca	13200
	ctggcccaga					
gatgtcggc	gcccaggccc	tgaagaaggg	ctggctctac	taccacccc	gccagcgctt	13320
cctggaggtg	cagtacctga	ccaacaactt	datedadece	dacacacaa	accacatacc	13380
cetagaegag	gccctgcagc	acaacacaat	adacacccac	accocacaga	adctdcdtda	13440
cataggagag	tactccaagt	acctcacctd	ccctaagacc	aagctcaaga	teteetataa	13500
	gaccgcagca					
cacacaatee	accaagggct	actacadece	ctacaccatc	ageggeege	actatacaa	13620
taaataaaa	accaagggcc	garagagata	aaaaaaaaaa	tagaggaggag	gottotactgc	13690
caccacacac	accggctcgc tccggcttct	geaccygett	atattasta	tactactact	gaageeeega	13740
	tacgcctcgg					
ctgaggggggg	ctgcgcccac	ggccctcggc	etaggagg	ggccctgagt	and and a second	13860
agggggggg	tttcaacgct	tanagetete	ttaataaaaa	geocygotee	caccyayyeg	12020
cygygycogt	doctorate to	ttaatatata	tatachata	geggegeeta	tatattage	12000
	gactaatata					
gacagggctg	gcccagccct	gerggeegee	LUACCCCCCCC	gygteteete	actocctict	14100
	cacacageca					
actetatet-	cagggtagec gagggeeetg	cgcctgccag	tectagetge	acagggcagc	tgggcccaac	14160

```
acggggggcc ccagtcagec teteteccag tetacccaga gaageceett ccccatggga 14280
agacgaggee etegggeeea geeeceacag tgetgtetga tetgtgettt ceageteace 14340 ceceacacte acteetgaga eccetggeet eeggegteag ecteeageet etgtteeeet 14400
agtaagtgcc ttccatgtcg gcctctaacc ccaggccccg aggacccaga cccagtgggg 14460
aggeggacgt tecageegge atggetggga aetgeagace tgteeteetg gtgggtecag 14520
systematic teachers agottytyga gocceanot gygytgeoge ctgocogtet etetocoaty 14580 gageccoag ecectttygg cocagygaa cagecagy tetyteoga tetyteoga titaka gageccage ctgyttoag cagegagae coctoctytt 14640 goaccagy ctgyttoag cagegagae
tecaetaace cegggegggt ggcaggtgga ggtgtcagge tgctggegce tetgcaaggg 14760
cagaacacta acctgaccgt gggcgggcc ttgcggtatc cgccccaat aaaagcaatt 14820
ccaaccttac acacc
<210> 114
<211> 2433
<212> DNA
<213> Homo sapiens
<221> misc_feature
<223> Incyte ID No: 350480.6
<400> 114
gaaacttett gecettttag gtgecaette eeagatggga agtettettg gtggggaaga 60
ggaggagtgg gcaacaaggg gatcotocat ggtgggagga atgggottga agttgtgtgt 120
cotaagotgt ggagaccaaa toagaaatto ottggaccoo aaaggoottt gggaaccaga 180
gcactaaagg agtggggagg tgcagcacct ggctggggaa caggaatttg gggtqcagcc 240
ccettggtge ttetgececa tgecetacce tgetgagtag ccetgaetet geagggattg 300
gggtgaccct gttcattgcc ctgtatgact atgaggctcg aactgaggat gacctcacct 360
tcaccaaggg cgagaagttc cacatectga acaatactga aggtqactgg tgggaqqetc 420
ggtctctcag ctccggaaaa actggctgca ttcccagcaa ctacgtggcc cctgttgact 480
caatccaage tgaagagtgg tactttggaa agattgggag aaaggatgca gagaggcage 540
tgctttcacc aggcaacccc cagggggcct ttctcattcg ggaaagcgag accaccaaag 600
gtgcctactc cctgtccatc cgggactggg atcagaccag aggcgatcat gtgaagcatt 660
acaagatccg caaactggac atgggcggct actacatcac cacacgggtt cagttcaact 720 cggtgcagga getggtgcag cactacatgg aggtgaatga cgggctgtgc aacctgctca 780
togegeeetg caccateatg aageegeaga egetgggeet ggecaaggae geetgggaga 840
teageegeag etecateaeg etggagegee ggetgggeae eggetgette ggggatgtgt 900
ggetgggeac gtggaacgge agcactaagg tggcggtgaa gacgetgaag ccgggcacca 960
tgtccccgaa ggccttcctg gaggaggege aggtcatgaa gctgctgcgg cacgacaage 1020
tggtgcaget gtacgccgtg gtgtcggagg agcccatcta catcgtgacc gagttcatgt 1080
gtcacggcag cttgctggat tttctcaaga acccagaggg ccaggatttg aggctgcccc 1140
aattggtgga catggcagec caggtagetg agggcatgge ctacatggaa egcatgaact 1200
acattcaccy cyacctgagy gcagccaaca tcctggttgg ggagcggctg gcgtgcaaga 1260
tegeagaett tegettegeg egteteatea aggaegatga gtacaacccc tecaaagett 1320
ccaagttccc catcaagtgg acagccccag aagctgccct ctttggcaga ttcaccatca 1380 agtcagacgt gtggtccttt gggatcctgc tcactgagct catcaccaag ggccgaatcc 1440
cctacccagg catgaataaa cgggaagtgt tggaacaggt ggagcagggc taccacatgc 1500
egtgeeetee aggetgeeea geatecetgt acgaggeeat ggaacagace tggcgtetgg 1560
acceggagga gaggectace ttegagtace tgeagteett eetggaggae taetteacet 1620
ccgctgaacc acagtaccag cccggggatc agacatagcc tgtccgggca tcaaccctct 1680 ctggcggtgg ccaccagtcc ttgccaatcc ccagagctgt tcttccaaag cccccaggct 1740
ggcttagaac cccatagagt cctagcatca ccgaggacgt ggctgctctg acaccaccta 1800
gggcaaccta cttqttttac agatggggca aaaggaggcc cagagetgat ctctcatecg 1860
ctctggcccc aagcactatt tetteetitt ceaettagge cectacatge etgtageett 1920
totcactoca tocccaccca aagtgetcag acettgteta gttatttata aaactgtatg 1980 tacctccctc acttetetec tatcactget trectactet cettttatet cactetagte 2040
caggigecaa gaattteeet tetaccetet attetettet gtetetaagt tacaaagtea 2100
ggaaaagtet tggetggace cettteetge tgggtggatg cagtggteca ggactggggt 2160
ctgggcccag gtttgaggga gaaggttgca gagcacttcc cacctctctq aataqtgtqt 2220
atgtgttggt ttattgattc tgtaaataag taaaatgaca atatgaatcc tcaaaccatg 2280
aaataccett gaacetteet tigggagegg gggtggteaa tagggggtga aeggacagat 2340
atggetacag geageageag gggaagetgg agagggeeet aatgeetace aageaegggg 2400
catecaaggt gtggagtttt agaacaccca gag
<210> 115
```

<210> 115 <211> 1921 <212> DNA

```
<213> Homo sapiens
<221> misć feature
<223> Incyte ID No: 350521.15
cocgonatet etgegeccae annatacace gaegatgeee gatetaettt angggetgan 60
acceaeggge etgagagaet ataagagegt teeetacege catggaacaa eggggacaga 120
acgeccogge cgettegggg geoeggaaaa ggeacggee aggacccagg gaggegeggg 180
gagecaggee tgggeteegg gteeceaaga ceettgtget egttgtegee geggteetge 240
Egitggtote agotgagtot getotgatea eccaacaaga cetageteec cagcagagag 300 eggeeccaca acaaaagagg tecageecet cagagggatt gtgtecacet ggacaccata 360
totcagaaga cggtagagat tgcatctect gcaaatatgg acaggactat agcactcact 420
ggaatgacet cettttetge ttgcgctgca ccaggtgtga ttcaggtgaa gtggagetaa 480
gtccctgcac cacgaccaga aacacagtgt gtcagtgcga agaaggcacc ttccgggaag 540
aagattetee tgagatgtge eggaagtgee geacagggtg teecagaggg atggtcaagg 600
teggtgattg tacaccetgg agtgacateg aatgtgteea caaagaatca ggtacaaage 660
acagtgggga agccccagct gtggaggaga cggtgacctc cagcccaggg actcctgcct 720
ctccctgttc tetetcaggc atcatcatag gagtcacagt tgcagecgta gtcttgattg 780
tggctgtgtt tgtttgcaag tctttactgt ggaagaaagt ccttccttac ctgaaaggca 840
tegetgyget tyttykang tettatty gygangaangt ettettat etgaangya 900
tetgatgacaa tgteeteaat gagategtga gtatettgea geecaeceag gteetggag 900
etgaggacaa tgteeteaat gagategtga gtatettgea geecaeceag gteetggag 960
aggaaatgga agtee
ttccagcaaa tgaaggtgat cccactgaga ctctgagaca gtgcttcgat gactttgcag 1140
acttggtgcc ctttgactcc tgggagccgc tcatgaggaa gttgggcctc atggacaatg 1200
agataaaggt ggctaaagct gaggcagcgg gccacaggga caccttgtac acgatgctga 1260
taaagtgggt caacaaaacc ggcgagatg cetctgtca caccttgtg gatgccttgg 1320
agacgctggg agagagactt gccaagcaga agattgagga ccacttgttg agctctggaa 132
agttcatgta tctagaaggt aatgcagact ctgccatgtc ctaagtgtga ttctcttcag 1440
gaagtcagar cttccctggt ttaccttttt tctggaaaaa gcccaactgg actccagtca 1500
ghagyaagat gecacaatty teacatyac gytactygaa gaaactete catecaacta 1500
gaacytagaa atgaacate etgtaactt teactycaet tygeattatt titataaget 1620
gaatytgata ataaggacae taaaaaata atgecaagty etetygaaag ticatytate 1680
tagaagytaa tycagacet gecatyteet aagytytat etetteagga agtcagacet 1740
tecetogett acctittte togaaaaage egaactggae tegagteagt aggaaagtge 1800
cacaattgtc acatgaccgg tactggaaga aactctccca tccaacatca cccagtggat 1860
ggaacatect gtaactttte actgeacttg gcattatttt tataagetga atgtgataat 1920
                                                                                         1921
<210> 116
<211> 1609
<212> DNA
<213> Homo sapiens
<221> misc feature
<223> Incyte ID No: 445076.9
<221> unsure
<222> 446-467, 1177, 1334-1467
<223> a, t, c, g, or other
<400> 116
cagtatccct cetgacaaaa etaacaaaaa teetgttage caaataatca gecacattca 60
tatttaccgt caaagttttt atcctcattt tacagcagtg gagagcgatt gccccgggtc 120
ccacqttagg aagagagaa actgggattt gcacccagge aatctgggga cagagctgtg 180
atcacaacte catgagteag ggcegageea geceetteae caccageegg eegegeeeg 240
actacaactt tatjagteag gyeegayeta geocettea caceageegg eegegeette 24v
gyaagyaagit thytygeegga gyaggttegt acgggaagag gygggaggeg cacegeatt 300
gyggetgaat egetettteg caaaacgtet gygaggagte eetgggeea caaaactgee 360
teetteetga gyeeagaagg agagaagaag tyeagggaac eegegeacag gagetyeect 420
egegacatgg gteaceegee getgennnnn nnnnnnnnn nnnnnnnnaca eetgegteee 480
agectettgg ggeetgeggt geatgeagtg taagaceaac ggggattgee gtgtggaaga 540 gtgcgeeetg ggaeaggace tetgeaggae eacgategtg egettgtggg aagaaggaga 600
agagetggag etqqtggaga aaagetgtae ecaetcagag aagaccaaca ggaccetgag 660
```

```
ctateggact ggettgaaga teaceageet tacegaggtt gtgtgtgggt tagacttgtg 720
caaceaggg aactotggc gggotgtcac ctattccga agocgttac tcgattgcat 780
tteetgtgg teatcagaca tgagetgtga gaggggeegg caccagagec tgeagtgccq 840
cagecetgaa gaacagtgee tggatgtggt gacecactgg atecaggaag gtgaagaagt 900
cetggagett gaaaatetge eqeagaatgg cegecagtgt tacagetgea aggggaacag 960
cacccatgga tgctcctctg aagagacttt cctcattgac tgccgaggcc ccatgaatca 1020
atgtetggta gecaeeggea eteaegaace qaaaaaceaa agetatatgg taagaggetg 1080
tgcaaccgcc tcaatgtgcc aacatgccca cctgggtgac gccttcagca tgaaccacat 1140
tgatgtetee tgetgtacta aaagtggetg taaccancca gacetgggtg tecagtaccg 1200
cagtgggget getectcage etgggeetge ceateteage etcaccatea cectgetaat 1260
gactgccaga ctgtggggag gcactctcct ctggacctaa acctgaaatc cccctctctg 1320
nnnnnnnn nnnnnnnnn nnnnnnncag aagagaaaag ctggaggaag gccgtgggca 1500
atgggagage tettqttatt attaatattg ttgccgctqt tgtgttgttg ttattaatta 1560
atattcatat tatttatttt atacttacat aaagattttg taccagtgg
<210> 117
<211> 3224
<212> DNA
<213> Homo sapiens
<221> misc feature
<223> Incvte ID No: 995028.4
<400> 117
caagaacgcc cccaaaatct gtttctaatt ttacagaaat cttttgaaac ttggcacggt 60 attcaaaagt ccgtggaaag aaaaaaacct tgtcctggct tcagcttcca actacaaaga 120
cagacttggt cettttcaac qqttttcaca qatccaqtqa cccacqetet qaaqacaqaa 180
ttagctaact ttcaaaaaca tctggaaaaa tgaagacttg ggtaaaaatc gtatttggag 240
ttgccacctc tgctgtgctt gccttattgg tgatgtgcat tgtcttacgc ccttcaagag 300
ttcataactc tgaagaaaat acaatgagag cactcacact gaaggatatt ttaaatggaa 360
cattttctta taaaacattt tttccaaact ggatttcagg acaagaatat cttcatcaat 420 ctgcagataa caatatagta ctttataata ttgaaacagg acaatcatat accattttga 480
gtaatagaac catgaaaagt gtgaatgett caaattacgg ettateacet gateggcaat 540
ttgtatatet agaaagtgat tatteaaage tttggagata etettacaca gcaacatatt 600
acatctatga cottagcaat ggagaatttg taagaggaaa tgagcttoct cgtccaatc 660 agtatttatg ctggtcgcct gttgggagta aattagcata tgtctatcaa aacaatatct 720
atttgaaaca aagaccagga gatccacctt ttcaaataac atttaatgga agagaaaata 780
aaatatttaa tggaatccca gactgggttt atgaagagga aatgcttcct acaaaatatg 840
ctctctggtg gtctcctaat ggaaaatttt tggcatatgc ggaatttaat gataaggata 900 taccagttat tgcctattcc tattatggcg atgaacaata tcctagaaca ataaatattc 960
catacccaaa ggctggagct aagaatcccg ttgttcggat atttattatc gataccactt 1020
accctgcgta tgtaggtccc caggaagtgc ctgttccagc aatgatagcc tcaagtgatt 1080
attatttcag ttggctcacg tgggttactg atgaacgagt atgtttgcag tggctaaaaa 1140
gagtecagaa tgitteggte etgictatat gtgactteag ggaagactgg cagacatggg 1200
attgtccaaa gacccaggag catatagaag aaagcagaac tggatgggct ggtggattct 1260
ttgtttcaac accagttttc agctatgatg ccatttcgta ctacaaaata tttagtgaca 1320
aggatggcta caaacatatt cactatatca aagacactgt ggaaaatgct attcaaatta 1380 caagtggcaa gtgggaggcc ataaatatt tcagagtaac acaggattca ctgttttatt 1440
ctagcaatga atttgaagaa taccetggaa gaagaaacat ctacagaatt agcattggaa 1500
getatectee aageaagaag tgtgttaett gecatetaag gaaagaaagg tgecaatatt 1560
acaeageaag ttteagegae tacgeeaagt actatgeact tgtetgetae ggeeeaggea 1620
tececattte caccetteat gatggacgea etgateaaga aattaaaate etggaagaaa 1680 acaaggaatt ggaaaatget ttgaaaaata tecagetgee taaagaggaa attaagaaac 1740
ttgaagtaga tgaaattact ttatggtaca agatgattet teeteetcaa tttgacagat 1800
caaagaagta teeettgeta atteaagtgt atggtggtee etgeagteag agtgtaaggt 1860
ctgtattigc tgttaattgg atatcttatc ttgcaagtaa ggaagggatg gtcattgcct 1920
tggtggatgg tcgaggaaca gettteeaag gtgacaaact cetetatgea gtgtategaa 1980
agetgggtgt ttatgaagtt gaagaccaga ttacagetgt cagaaaatte atagaaatgg 2040
gttteattga tgaaaaaaga atagecatat ggggetggte etatggagga tacgttteat 2100
caetggeeet tgeatetgga aetggtettt teaaatgtgg tatageagtg geteeagte 2100
ccagctggga atattacgcg tctgtctaca cagagagatt catgggtctc ccaacaaagg 2220
atgataatet tqaqeactat aaqaatteaa etqtqatqqe aaqaqeaqaa tattteaqaa 2280
atgtagacta tetteteate caeggaacag cagatgataa tgtgcacttt caaaactcag 2340
cacagattge taaagetetg gttaatgeac aagtggattt ccaggeaatg tggtaetetg 2400
```

```
accagaacca eggettatee ggeetgteea egaaccaett atacacccae atgacccaet 2460
tectaaagca gtgtttetet ttgtcagact aaaaacgatg cagatgcaag cetgtatcag 2520
aatotgaaaa cottatataa accootcaga cagtttgott attttatttt ttatgttota 2580
aaatgctagt ataaacaaac aaattaatgt tgttctaaag gctgttaaaa aaaagatgag 2640
gactcagaag ttcaagctaa atattgttta cattttctgg tactctgtga aagaagagaa 2700
aagggagtea tgeattttge tttggacaca gtgttttate acctgtteat ttgaagaaaa 2760
ataataaagt cagaagttca gccctgagat tottactact gatgagaaca ttatctggat 2820
atgoccaaaa atttttaggo aaatgaaago taccaattta aagttacgga atctaccatt 2880
ttaaagttaa ttgcttgtca agctcagatg tctttactgt gaatgaggga gagaaacgct 2940
aaagcacaga aatgttcaga accaaagagc tggatcactc atgcttctag aaaagacatt 3000
ggcatettet cattgeteat ctactgtgcc tggcacagcc ttatttteta gctttetgaa 3060
tgtgagttee atceatatee tttgcataae ggtggtactg ggetgtggag agettggaat 3120
gtgtgtccat ggggaaatgg gctgttctgg ttattataaa acggccaagg gagggctcca 3180
tggcacacct ctgagtaacc caggacactc ctgtttggga aatg
<210> 118
<211> 3887
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 245008.4
<400> 118
egegttteet gaegegagat acgegetege egeegggeeg eccaggegge gatgacaegg 60
cgcccgcggc ggcccggagg cgccgggtgg gccgtttgct gaccggatcg cggctacccg 120
ccagcgtgtc cgcggcgccg ccgccagcat gggctgtgcc ccgagcatcc acatttccga 180
gegeetagta geographica egectageee egeggeacee geogetateg teeggegge 240
egegeeteec geaggeecag aagaeggeeg eettgeeeeg gaeeegegge geeggeetet 300
tggagtegga gettegegae ggeageggea agaaggtage agtagetgat gtgeagtttg 360
gccccatgag atttcatcaa gatcaacttc aggtactttt agtgtttacc aaagaagata 420
accaatgtaa tggattctgc agggcatgtg aaaaagcagg gtttaagtgt acagttacca 480
aggaggetca ggetgteett geetgtttee tggacaaaca teatgacatt atcatcatag 540
accacagaaa teetegacag etggatgeag aggeactgtg caggtetate agateateaa 600
aactotcaga aaacacagtt attgttggtg tagtacgcag ggtggataga gaagagttgt 660
ccgtaatgcc tttcatttct gctggattta caaggaggta tgtagaaaac cccaacatca 720
tggcctgcta caatgaactg ctccagetgg agtttggaga ggtgcgatca caactgaaac 780
tragggettg taactragta ttractgrat tagaaaacag tgaagatgra attgaaatta 840
caagegaaga cegttttata cagtatgeaa ateetgeatt tgaaacaaca atgggetate 900
agtcaggtga attaataggg aaggagttag gagaagtgcc tataaatgaa aaaaaggctg 960
agitagiiga aithatagga angkattaga gayangge dacaataga amaabgitty 200
actigocaaaaa gaaaaaaagga galaatatac aacaaaatgi gaagitaata cotgicatig 1880
gacaggagga aaaaattaga cactatgigt coattatcaa agitigocaat ggaacaata 1140
aggetgagaa aatateegaa tgtqtteagt etgacaetea tacagataat cagacaggea 1200
aacataaaga caggagaaaa ggctcactag acgtcaaagc tgttgcctcc cgtgcaactg 1260
aagtttecag ccagagacga cactetteca tggcccggat acattecatg acaattgagg 1320
cgcccatcac caaggtaatc aatattatca atgctgccca ggaaagtagt cccatgcctg 1380
tgacagaage cetagacegt gtgctggaaa ttctaagaac cactgagtta tattcaccac 1440
agtitggtgc taaagatgat gatccccatg ccaatgacct tgttgggggc ttaatgtetg 1500
atggtttgeg aagactatca gggaatgaat atgttctttc aacaaaaaac actcaaatgg 1560
tttcaagcaa tataatcact cccatctccc ttgatgatgt cccaccacgg atagctcggg 1620
ccatggaaaa tgaggaatac tgggactttg atatttttga actggaggct gccacccaca 1680
ataggeettt gatttatett ggteteaaaa tgtttgeteg etttggaate tgtgaattet 1740
taeaetgtte egagteaaeg etaagateat ggttaeaaat tategaagee aattateatt 1800
cctccaatcc ctaccacaat tctacacatt ctgctgatgt gcttcatgcc actgcctatt 1860
ttetetecaa qqaqaqqata aaqqaaactt tagatecaat tqatqaqqte qetqeactea 1920
teggaageeae eatteatgat gtggateaee etgggagaae eaacteette etgtgtaatg 1980
etggaagtga getggeeatt ttgtacaatg acactgeetgt getggaagge caccatgeeg 2040
ecttggeett eeagetgace actggagatg ataaatgeaa tatatttaaa acactggaga 2100
ggaatgatta teggacactg egecagggga ttategacat ggtettagec acagaaatga 2160 caaagcactt tgagcatgtc aacaaatttg teaacagcat caacaaacce ttggcaacac 2220
tagaagaaaa tggggaaact gataaaaacc aggaagtgat aaacactatg cttaggactc 2280
cagagaaccg gacctaatc aaacgaatgc tgattaaatg tgctgatgtg tccaatccct 2340
geogaccect geagtactge ategagtggg etgeacgeat tteggaagaa tattttete 2400
agactgatga agagaagcag cagggcttac ctgtggtgat gccagtgttt gacagaaata 2460
cotgcagcat coccaaatco caaatctott toattgatta ottoatcaca gacatgtttg 2520
```

```
atgettggga tgeetttgta gaeetgeetg atttaatgea geatettgae aacaaettta 2580
aatactggaa aggactggac gaaatgaage tgeggaacet eegaceacet eetgaatagt 2640
gggagacace acccagagee etgaagettt gtteettegg teatttggaa tteetgaggg 2700
cagecagage teettggtee ttteagtact aggeagaaca geeceegate tgeatageet 2760
gtgaaagee acggggacat cagtaacett etgeageeac catecaatge cattactgte 2820
aagtgagact tggccactgt agcctgggcc tgctgcagga gctcttcaga aaggcacatg 2880
aggaccacgg tttgcctcag tttctggtaa aacacaaggt ctggagtgcc cctgcaaagg 2940
gtattgatgg acttcctgcc agtgacagag catgtctatt gcaaacaatt ctctcagtta 3000 cgttcagcac ttaagaacgg ctaatggcaa taggatcttt agcaactttt tcacatcata 3060
gaaggtgcaa tegeteactt gggaacacta etgagagtga ettetettt aaaattgagt 3120
agcagatgaa aaattaaaat ttgaacttga ttattaatat caattaaaat gttttattta 3180
ttttattaaa ageteaatat tttetatgaa tteaaaaata etteagagee aaageeaact 3240
tcaaatacog tgaccaaatt tacatgattc atattcatta tgcattactt ggtatacaga 3300 cttattttca taatgcaaat taataaaatg acacttttac tgcactatag aaatattcat 3360
gtatgttaaa ettttetgat tgaggetaac tggaaaaage tggggtegta ttetaagtge 3420
taaagaagge tgettetaet gtatagaace cagggetetg aaacagetet agecgeetaa 3480
tgcacttcac aggtaactcc ccaaggtaaa actagactct cttgttggtt cgcaaagaaa 3540
agttaggact taacactttt ttctaaaatt ttataattca atttccaaaa gtctactcta 3600
tittatactg tttctacaaa atattcctta taaaaacaaa gaacaaaaat tgaatattta 3660
atgaattgac attttataac caacctgttt ttatctacgg tgggaatctt tgatgccaga 3720
aatttataaa gaggttetgt atetteacae ettgaataag cataatacca taaaaaatga 3780
cacttgacat gtcaatgtat ttgtcatttc attttaaact cgtatttgtg gtttttttcc 3840
cagataaaaa tgaaattaaa ccatttettt ttaagaaate atgtttt
<210> 119
<211> 1678
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 350895.1
<400> 119
tegitigetig teggegegeg geggeeeggg egggggaage tiggegggetig aggegeeeeg 60 eletteteet etgeeeeggg eeggggeige eggaeggaaga atgatigeagg 120 actifiteeag etegeeagte tegeeggeeg aegaeageet gageaeaage gagaagaga 180
cagaceggea geageegeeg agegegaage geggggeaeg caageggege ageageagge 240
geagegeggg eggeggegeg gggeeeggeg gageegeggg tggggeegte ggaggeggeg 300
sacqaccagg cagocoggo caggocaag cagocagaa titotgeggo titogoggo 360
goggoggog cagocoggo gagocago goggoagaa cagoagogo goggoggoa
cagadotta cagagaagot cagacqaa gagtoatga caacqtgog gagoggoag 480
goaccagto gotgaacqaa gogtotgog
eggacaaget gageaagatt cagaccetca agetggegge caggtacate gactteetet 600
accaggteet ccagagegac gagetggact ccaagatgge aagetgeage tatgtggete 660
acgayogget cagetacgee tteteggtet ggaggatgga gggggeetgg tecatgteeg 720
ogtocoacta goaggeggag ecceceacee ectoagoagg geeggagace tagattoat 780
tgtttecaga gaaggagaa atggacagte tagagactet ggagetggat aactaaaaa 840
aaaaatatat gccaaagatt ttcttggaaa ttagaagagc aaaatccaaa ttcaaagaaa 900
caqqqcqtqq qqcqcacttt taaaaqaqaa aqcqaqacaq qcccqtqqac aqtqattccc 960
agacggcag cggcaccate etcacacete tgcattetga tagaagtetg aacagttgtt 1020
tgtgtttttt tittttttt tttttgacga agaatgtttt tatttttatt tttttcatgc 1080
atgrattete aagaggtegt gecaateage caetgaaagg aaaggeatea etatggaett 1140
tetetatttt aaaatggtaa caateagagg aaetataaga acacetttag aaataaaaat 1200
actgggatea aactggcctg caaaaccata gtcagttaat tetttttte atcetteete 1260
ggacccatgg taaaatgcaa atagatccgg tgtctaaatg cattcatatt tttatgattg 1380
ttttgtaaat atctttgtat atttttctgc aataaataaa tataaaaaat ttagagaacc 1440
ttagagtttg gtotatattt ttaaaactaa aaattaagtt ggtggtaaat acctgottgt 1500
ttagattttag aggcaccag aggggagggg gcataatat aaacaaagca atgaaaaac 1560
caaataaagc agctactgac aggcacaagc atgttattt aaaagacagc ttattattat 1620
ttccagtttg gtatttagag ggcttagttg catctcttca tctcttactc tctcctgc 1678
<210> 120
<211> 5673
<212> DNA
```

<213> Homo sapiens

<220> <221> misc_feature <223> Incyte ID No: 434265.5

<400> 120 geggacetga geoecgegee tgggatgeeg qqqatqeqeq teeceeggee etqeqqetqc 60 tccgggctgg gegeggggcg atggacctga gcatgaagaa gttcgccgtg cgcaggttet 120 tetetgtgta cetgegeagg aagtegeget ceaagagete cageetgage eggetegagg 180 aagaaggtgt cgtgaaggag atagacatca gccatcatgt gaaggagggc ttttgagaagg 240 cagatectic coagitigag cigcigaagg tittaggaca aggatectat ggaaaggigt 300 tectggtgag gaaggtgaag gggtccgaeg ctgggcagct ctacgccatg aaggtectta 360 agaaagccac cctaaaagtt ogggaccgag tgagatcgaa gatggagaga gacatcttgg 420 agamagutau Euraamagut ugumtaya iyaatugaa gatyagaaga iyaatutugg 220 cagamagigam tomocotto attigtgamago ticattatgo otticagmag ganggamago 480 totmoctymi octgamagut ottogggggag gggmacotott cacceggoto tocmamagog 540 tocatgitcan ggmaggaggat gicamagitet moctgagetga gotggoott gootmagago 600 atotocacag octggggato atotmocagag atotgamagon tymagmacato otoctgagt aagaggggca cattaagatc acagatttcg qcctgagtaa ggaggccatt gaccacgaca 720 agagagegta etcettetge gggaegateg agtacatgge geeegaggtg gtgaacegge 780 gaggacaca gragatyce gactygytyg ajthacygy gottagyty gygatocity gaggycacac grouptcoag gygaaggaca ggaaggaga attygtota 240 gygytocot googtoog gygaaggaca ggaaggaga attygtot atoctaaag 900 caagctygy gatyccygag ttoctagity gygaaggaca gagtttycty cyaqotott 950 tcaaacggaa ccctgcaac cgctgggtg ctggcattga cggagtggag gaaattaagc 1020 gecatecett etttgtgace atagactgga acacgetgta eeggaaggag ateaagceae 1080 cgttcaaacc agcagtgggc aggcctgagg acaccttcca ctttgacccc gagttcacag 1140 egeggaegee cacagaetet cetggcgtce eccegagtge aaacgetcat cacetgttta 1200 gaggatteag etttgtggce teaagcetga teeaggagee eteacagcaa gatetgcaca 1260 aagteecagt teacceaate gtgcagcagt tacacgggaa caacatecac ttcaccgatg 1320 getacgagat caaggaggac ateggggtgg getectacte agtgtgcaag egatgtgtgc 1380 ataaagccac ggacaccgag tatgreettga agateattga taagagcaag agagaccet 1440 eggaagagat tgagateete tyeegtacg geoagcacc gacactaate accetcaagg 1500 atgreetga tgatggcaag titgtgtace tggtaatgga getgatgegt ggtggggag 1 tectggaceg catecteegg cagaagatact teteggageg egaagecagt gacgteetgt 1620 geaccateac caagaceatg gactacetce atteccagg ggttgtteat egagacetga 1680 ageogagtaa catectgtac agggatgagt oggggagcoc agaatecate ogagtetgeg 1740 actteggett tgccaagcag etgegegegg ggaacggget geteatgaca ceetgetaca 1800 oggocaattt ogtggocoog gaggtoctga agogtoaagg etatgatgog gogtgtgaca 1860 totggagttt gggatoctg ttytacacoa tgotggocag atttaccoot tttgoaaatg 1920 ggocagaoga tacocotgag gagattotgg ogogatogg oagtgggaag tatgocottt 1930 ctgggggaaa ctgggactcg atatetgacg cagctaaaga cgtcgtgtcc aagatgctcc 2040 acgtggaccc teatcagegc ctgacggcga tgcaagtgct caaacacccg tgggtggtca 2100 acagagatta octytococa aaccagotta googacagga cytocaccty gtgaaggoc acagatgatta octytococa aaccagotta googacagga cytocaccty gtgaaggog 2160 cyatygocgo cacotacttt gototaaaca gaacactca ggococgogg ctgaagcog 220 tyotytoato caacctggot cagogoagag goatgaagga actcacgtoc acgogyttyg 2280 agogygtygg acotygoco cagogtococ tyocagoato ctcgtgygt cacagaccoc 2340 ggecteggag ceegtetgge acceagagtg accaeaagte cageagggag geggegeeeg 2400 coctegoegt gtoegtyttt tettitleag ceceggagag gyteetgace tyggggette 2460 tecaageete actegoegag octeocegoe cycletettt teteocaage aaaaceaat 2520 gegeecette acetegety ecegtyogag geoggyget tetticagag ocegeggyte 3 ctctcataca tggcttctgt ttctgccgag agatctgttt tccaattatg aagecggtcg 2640 gtttggtcag actcccgaca cccacgtccc aggtacccgg tgggaaagtg gcagtgcgag 2700 ggegcagcea ttggtggttg cagggcccca gagggetggg gtgacctggc atcccggggc 2760 tccccacggg ctggatgacg gggttggcac tgtggcgtcc aggaggagat gcctggttct 2820 geccaaaata atecaaagag cegttteete etegecette agtttttgcc tgaggtgetg 2880 ggtagcccat cetttectet gteccagatt caaatgagga gtaagagcc agacgagagg 2940 aaggcagget ggatetttge ettgagaget eegtgteace aggatggaag ggggtgeete 3000 teggaggage etgtgtecae etceagtete ggetttecee gggggggeea agegeaetgg 3060 ggetgeegte tgteeceage teeegtggge cacacageta tetggagget ttgcagggag 3120 togtgggtte tegeacctge teagecetgt gteggettee tgtgtgetea cetaaagetg 3180 tggttttgct gtgttcactt cgatttttct ggtctgtgga gaaactgtga attggagaaa 3240 tggagetetg tggettccca eccaaacett ctcagtecag etggaggetg gagggagaca 3300 caggccccac ccagcagact gaggggcaga ggcacaggtg ggagggcage ggagateage 3360 gtggacagga gegatgcact ttgtagatgc tgtggctttg tgttgcgttt tgtgtctctg 3420 ttgcacagat ctgttttttc acactgatcc gtattcccct gggtgtgcac acagggcggg 3480 tgtggggcat ttaggccatg ctgtgctcta cttcattgag taaaatcgag tgagaggttc 3540 cgggcagcag gatcgacgcc cagtccagcc ggcagaggga acacacgggt cettcattgt 3600 cctqtaaqqq tqttqaagat gctccctggc ggcccccaag cagactagat gggaggaggc 3660 geogeteage cecteacect geateactga agagegege etetgeagea ageagggett 3720

```
caggaggtgc ccgctggcca caqccaggtt ttccctaaga agatgttatt ttgttgggtt 3780
ttgttccccc tccatctcga ttctcgtacc caactaaaaa aaaaaaaata aagaaaaaat 3840
gtgctgcgtt ctgaaaaata actccttagc ttggtctgat tgttttcaga ccttaaaata 3900
taaacttgtt tcacaagctt taatccatgt ggattttttt ttcttagaga accacaaaac 3960
ataaaaggag caagteggac tgaatacetg titecatagt geccaeaggg tatteeteac 4020
attttccca tagaagatgc tttttcccaa ggctagaacg acttccacca tgatgaattt 4080
gctttttagg tettaattat ttcacttett tttagaaact taggaagaag tggataatcc 4140
tgaggtcaca caatctgtcc tcccagaaat gaacaaaagt catcaccttt tctgcttgct 4200
acacaggeaa cgattccccc atcagctgcc cggaccettt ggcctggctt ggtgtgcagg 4260
cotgtotgtt tgottaaagt cagtgggtto tggtgcaggg agtgagaagt gggggaagtg 4320
aaagggaaag catccgtgag aaagcggcca cggttttccc tccttgtgtg cccatggggc 4380
accageteat ggtettttte agteatecea gtttgtacag aettagette tgaactetaa 4440
gaatgecaaa gggaccgacg agacteecca teacagegag etetgteett acatgtattt 4500
gatqtqcate ageggaggag aacactqqct tqqccctqct ccqctqaqtq tctqtqaaat 4560
acctetactt teceteceat atecagaaca aaatgatact tgacateett ceacaaaagt 4620
cagoctaaag aagttatggt atcatatgtt aaactaagct ttcaaaaacc ttagtgaaat 4680
agcaagtgac tgctttcaag cagcagtcga catgtaaatg aaggtgttct tagaattcgc 4740
attttgccag ctcagcgcac ctccacaacg aatgaaatgc tccgtatgat ttgcacaaat 4800
gacatagacc tccccaaaag ttaactggct ctccttcctc acacagttca tcataaccca 4860
acceccace ecegggtcat gaaaatcaca gaacttataa acacattgaa eeetagatet 4920
caggetteet gacetacege cagtggeece ttgetggeea cectataggg tecteettee 4980
ctgg-agoco cocatgtggg agaatacct gattotocca atotgoagtg ggagagottt 5040
gotgaattoc atocoaagt caaacatggg caagagttg agattoact titacocta 5100
agtocgattt gtotgtgatt tiaaactaa ctgtgatagta tigatgttg agaatttt 5160
tgaattitaa agtgataata gtacttaatg tiaaccagta tigitatata aatggtgtta 5220
tectaaaget geacttggga tttttaceta acgetttact gattetetea ageacatgge 5280
amagettgat tegeacteeg tecatteetg acacgettetg etgeeteeta cetteetaag 5340
cytcatycaa attcgagaat ggagaaggac gctgccggtc cctgagcggt gtggagaggg 5400
eggaaggtgg actecagege agettgaggg getgaggaeg gaggetgeag catetggte 5460 gttetactga geaegettet etgeeteget eetgacteag caetttgtte actggeteag 5520
cagttatgtt tacacatcat ttttatgttc ctgctttgta attcatgttt gagatgggtg 5580
qccactqtac agatatttat tacqctttcc agactttctg aataqatttt tttgaataaa 5640
catggtttta tgaagtgtaa tettttteta gee
<210> 121
<211> 8044
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 427813.14
<400> 121
cggctcgagc cggctgtgct gcacaggggg aggagggga accccaggcg cgagcgggaa 60 gagggggacct gcagccacaa cttctctggt cctctgcatc ccttctgtcc ctccacccgt 120
ccccttcccc accctctggc ccccaccttc ttggaggcga caacccccgg gaggcattag 180
aagggatttt teeegeaggt tgegaaggga ageaaacttg gtggeaactt geeteeeggt 240
gegggegtet etcecceace gteteaacat gettaggggt eeggggeeeg ggetgetget 300
getggeegte etgtgeetgg ggaeageggt geeeteeaeg ggageetega agageaagag 360
gcaggeteag caaatggtte agececagte eeeggtgget gteagteaaa gcaageeegg 420
ttgttatgac aatggaaaac actateagat aaateaacag tgggagegga eetacetagg 480
caatgogttg gtttgtactt gttatggagg aageegaggt tttaactgeg agagtaaacc 540
tgaagetgaa gagaettget ttgacaagta caetgggaac aettacegag tgggtgacac 600
ttatgagcgt cctaaagact ccatgatctg ggactgtacc tgcattgggg ctgggcgagg 660
gagaataago tgtaccatog caaacogotg coatgaaggg ggtcagtcot acaagattgg 720
tgacacotgg aggagacaca atgagactgg tggttacatg ttagagtgtg tgtgtcttgg 780
taatggaaaa ggagaatgga cotgcaagoc catagotgag aagtgttttg atcatgotge 840
tgggacttcc tatgtggtcg gagaaacgtg ggagaagccc taccaaggct ggatgatggt 900
agattqtact tqcctqqqaq aaggcaqcqq acqcatcact tqcacttcta qaaatagatq 960
caacgatcag gacacaagga catcctatag aattggagac acctggagca agaaggataa 1020
togaggaaac etgeteeagt geatetgeac aggeaacgge egaggagagt ggaagtgtga 1080
gaggcacacc tetgtgcaga ccacategag eggatetggc ccetteaceg atgttegtge 1140
agetgtttac caacegeage etcacececa geetecteec tatggecact gtgteacaga 1200
cagtggtgtg gtctactctg tggggatgca gtggctgaag acacaaggaa ataagcaaat 1260
gettigeacg tgcctgggca acggagtcag ctgccaagag acagetgtaa eccagaetta 1320
cggtggcaac tcaaatggag agccatgtgt cttaccattc acctacaatg gcaggacgtt 1380
```

ctactcctgc	accacagaag	ggcgacagga	cogacatett	tagtagagga	caacttcgaa	1440
		actctttctg				
		ccttgtgcca				
cactgattgc	acttctgggg	gcaqaaqaqa	neenteneen	taatataaaa	CCDCDCDCD	1620
		ttgggttetg				
aagacgcc	gaccagaagt	cogggccccg	coccacygou	gcccacgagg	ntenentene	1740
tan-nt-nt-	ggggccacgc	accgcattgg	agateagtyg	gataagcagc	acgacacggg	1000
Leacatgatg	aggugeaegu	gtgttgggaa	rggregragg	gaatggacat	geartgeeta	1800
		gcattgttga				
ccacaagcgt	catgaagagg	ggcacatgct	gaactgtaca	tgetteggte	agggtcgggg	1920
		tegaceaatg				
		agtatgtgca				
		attgccaacc				
tgtcgaagta	tttatcactg	agactccgag	teageceaac	teccaececa	tccagtggaa	2160
tgcaccacag	ccatctcaca	tttccaagta	cattctcagg	tggagaccta	aaaattctgt	2220
aggeegttgg	aaggaageta	ccataccagg	ccacttaaac	tcctacacca	tcaaaggcct	2280
gaageetggt	gtggtatacg	agggccaget	catcagcatc	cagcagtacg	gccaccaaqa	2340
agtgactcgc	tttgacttca	ccaccaccag	caccagcaca	cctgtgacca	gcaacaccgt	2400
		tttctcctct				
		teteetgggt				
ggtggaatat	gagetgagtg	aggagggaga	tranccacan	tacctggate	ttccaagcac	2580
agccacttct	gtgaacatcc	ctgacctgct	toctaaccas	aaatacatto	tasatutota	2640
tranatatot	gegaacaccc	agcagagttt	astoctatot	addtddddca	assassassassassassassassassassassassass	2700
		ctgtggacca				
cgacgeeeee	cetgaeeega	tegeggaeea	agttgatgat	aceteaacty	ctgttegetg	2000
		tcacagggta				
		ttcctgaaac				
acciggigit	cagtataaca	tcactatcta	tgetgtggaa	gaaaaccaag	aaagtacacc	2940
		ccactggcac				
		tgacagacgt				
gagtgcagtg	accggctacc	gtgtggatgt	gateceegte	aacctgcctg	gcgagcacgg	3120
		ggaacacctt				
		ttgcagtgag				
		atgeteccae				
		ctccacctcg				
gggccttacc	cgaagaggcc	ageceaggea	gtacaatgtg	ggtccctctg	tctccaagta	3420
ccccctgagg	aatctgcagc	ctgcatctga	gtacaccgta	teeetegtgg	ccataaaggg	3480
caaccaagag	agccccaaag	ccactggagt	ctttaccaca	ctgcagcctg	ggagetetat	3540
tccaccttac	aacaccgagg	tgactgagac	caccattgtg	atcacatgga	cgcctgctcc	3600
aagaattggt	tttaagetgg	gtgtacgacc	aagccaggga	ggagaggcac	cacgagaagt	3660
		tegttgtgtc				
		atggacagga				
gacaccattg	tetecaccaa	caaacttgca	tetggaggea	aaccetgaca	ctagagtact	3840
		gcaccacccc				
		gaaattettt				
ctgcactttt	gataacctga	gteceggeet	grantacaat	atcactattt	acactotosa	4020
		ctatctctga				
		ttggtccaga				
		tectgataca				
		cttcagacaa				
		tetecagtgt				
cacagaacac	gragragragrag	ttgattcccc	ccacyaacaa	cacyayayca	cacetettag	4220
ayyaayacay	addacaggic	ggattgetee	taraggeact	gaetttetg	acactaetge	4360
		gtgggagacc				
		teactecagg				
		ccttattgat				
		ctgcgacccc				
		acaggatcac				
		ggagcaagtc				
agttgattat	accatcactg	tgtatgctgt	cactggccgt	ggagacagcc	ccgcaagcag	4860
caagccaatt	tccattaatt	accgaacaga	aattgacaaa	ccatcccaga	tgcaagtgac	4920
cgatgttcag	gacaacagca	ttagtgtcaa	gtggctgcct	tcaagttccc	ctgttactgg	4980
		ccaaaaatgg				
		ctattgaagg				
		geggagagag				
		tggcattcac				
		aagtttccag				
				gacactgcag		
cctcadaccd	gattetaaat	acacagtcag	tataattacc	ttgcacgatg	atatogagag	5400

```
ccageceetg attggaacce agtecaeage tatteetgea ecaactgace tgaagtteac 5460
traggtraca coracaagor tgagogora gtggaracca coraatgtto agotractgg 5520
atategagtg egggtgacce ccaaggagaa gaceggacca atgaaagaaa tcaaccttgc 5580
teetgacage teatcegtgg ttgtateagg acttatggtg gecaccaaat atgaagtgag 5640
tgtetatget ettaaggaca etttgacaag cagaccaget cagggtgttg teaccactet 5700
gagaatgte agoccaccaa gaagggeteg tytgacagat getactgaga coaccateac 5760 cattagetgg agaaccaaga etgagacgat cactggette caagttgatg cofttecage 5820 cattagetgg actccaatec cagggacact caagcagatag tytagaagat acccatace 5880 aggtttacaa ccaggcactg actacaagat ctacctgtac accattgactg 5940
gageteceet grouteateg acgeetecae tgecattgat geaceateca acctgegitt 6000
cetggecace acacecaatt cettgetggt ateatggeag cegecacgtg ceaggattac 6060
eggetacate ateaagtatg agaageetgg gteteeteee agagaagtgg teeeteggee 6120
eegeectygt gteacagagg cteatattae tygeetggaa eegggaaceg aatatacaat 6180
ttatgteatt geectgaaga ataateagaa gagegageee etgattggaa ggaaaaagae 6340
agacgagett ccccaactgg taaccettcc acaccccaat cttcatggac cagagatett 6300
ggatgtteet tecacagtte aaaagaceee tttegteace caccetgggt atgacactgg 6360
aaatggtatt cagetteetg geacttetgg teageaacce agtgttggge aacaaatgat 6420
ctttgaggaa catggtttta ggeggaccac accgcccaca acggccaccc ccataaggca 6480
taggecaaga ccataccege cgaatgtagg acaagaaget eteteteaga caaccatete 6540
atgggcccca ttccaggaca cttctgagta catcatttca tgtcatcctg ttggcactga 6600
tgaagaaccc ttacagttca gggttcctgg aacttctacc agtgccactc tgacaggcct 6660
caccagaggt geaccitaes acatcatagt graggoactig asgaccagc agaggesta 6720
gyttogygaa gaggttytta cottyggoaa cottottoaa gaaggottga acaacctac 6720
gyatgactg tyetttyaac cottacaagt ttoccattat googttygaa atgatyggaa 6840
acgaatgtet g
gaagtgggac cgtcagggag aaaatggcca gatgatgagc tgcacatgtc ttqqgaacqg 7020
aaaaggagaa ttcaagtgtg accetcatga ggcaacgtgt tacgatgatg ggaagacata 7080
ccacgtagga gaacagtggc agaaggaata teteggtgcc atttgeteet geacatgett 7140
tggaggccag eggggetggc getgtgacaa etgeegcaga cetgggggtg aacccagtee 7200
cgaaggcact actggccagt cctacaacca gtattctcag agataccatc agagaacaaa 7260
cactaatgtt aattgcccaa ttgagtgctt catgccttta gatgtacagg ctgacagaga 7320
agattecega gagtaaatea tettteeaat ceagaggaac aagcatgtet etetgeeaag 7380
atcoatctaa actggagtga tgttagcaga cocagcttag agttettett tetttettaa 7440 gecetttget etggaggaag ttetecaget teagetcaae teacagette tecaagcate 7500
accetgggag titectgagg gtitteteat aaatgaggge tgeacattge etgitetget 7560 tegaagtatt caataceget cagtatitta aatgaagtga tietaagatt tggtitggga 7620
tcaataggaa agcatatgca gccaaccaag atgcaaatgt tttgaaatga tatgaccaaa 7680
attttaagta ggaaagtcac ccaaacactt etgettteac ttaagtgtet ggeecgeaat 7740
actgtaggaa caagcatgat ettgttactg tgatatttta aatatecaca gtactactt 7800
tttccaaatg atcctagtaa ttgcctagaa atatetttet ettacetgtt atttatcaat 7800
ttttcccagt atttttatac ggaaaaaatt gtattgaaaa cacttagtat gcagttgata 7920
agaggaattt ggtataatta tggtgggtga ttatttttta tactgtatgt gccaaagctt 7980
tactactgtg gaaagacaac tgttttaata aaagatttac attccacaaa aaaaaaaaa 8040
aggg
                                                                                     8044
<210> 122
<211> 5286
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 014704.3
<220>
<221> unsure
<222> 4789-4822
<223> a, t, c, g, or other
<400> 122
gaatatgttt tatgacggtt gattttacac caggaggttt gtctccgagg aagacccagg 120
gaactggata totagegaga acttecteeg gatteecegg egeeteggga aaatgggage 180
tgctgcaaag ttggcgtttg ccgtctttct tatctcctgt tcttcaggtg ctatacttgg 240
tagatcagaa actcaggagt gtcttttctt taatgctaat tgggaaaaag acagaaccaa 300
tcaaactggt gttgaaccgt gttatggtga caaagataaa cggcggcatt gttttgccta 360
```

cctggaagaa	tatttctggt	tccattgaaa	tagtgaaaga	aggittgttgg	ctggatgata	420
	tgacaggact					
gttgctgtga	gggcaatatg	tgtaatgaaa	agttttctta	ttttccggag	atggaagtca	540
cacageceae	ttcaaatcca	ottacaccta	acccacccta	ttacaacatc	ctoctctatt	600
ccccggcgcc	acttatgtta	accycygyga	ctyttattty	cycattergy	gracagge	000
atcacaagat	ggcctaccct	cctgtacttg	ttccaactca	agacccagga	ccacccccac	720
	actaggtttg					
	ctggaaagcc					
tacaggacaa	acagtcatgg	caaaatgaat	accaactcta	cagtttgcct	ggaatgaage	900
	attacagttc					
tttggctgat	cacagcattt	catgaaaagg	gttcactatc	agactttctt	aaggctaatg	1020
taatetetta	gaatgaactg	totcatatto	cagaaaccat	ggctagagga	ttggcatatt	1080
	tatacctggc					
tcaaaagtaa	aaatgtgctg	ttgaaaaaca	acctgacage	ttgcattgct	gactttgggt	1200
tooccttasa	atttgaggct	aacaaateta	caggggatac	ccatggacag	attactaccc	1260
anneath an h		950005000	at astatana		on bean babb	1220
	ggctccagag					
tgaggataga	tatgtatgcc	atgggattag	tectatogga	actogettet	cactatacta	1380
ctacagatag	acctgtagat	gaatacatgt	taccatttaa	dagggaatt	aaccaacatc	1440
catcucttga	agacatgcag	gaagttgttg	tgcataaaaa	aaagaggcct	gttttaagag	1500
attattggca	gaaacatgct	ggaatggcaa	tactctataa	aaccattgaa	gaatgttggg	1560
	agaagccagg					
agagactaac	aaatattatt	accacagagg	acattgtaac	agtggtcaca	atggtgacaa	1680
atottoactt	tcctcccaaa	gaatctagte	tatgatggtt	acaccateta	tocacactaa	1740
annatagan a	tctgaactgg	paataataaa	atanaganag	teattagast	thatttata	1000
gaaacgggac	Lectyaactgg	agetyetaag	Ctaaayaaac	tgettacage	ccacciccity	1000
tgtaaaatga	gtaggatgtc	tcttggaaat	gttaagaaag	aagacccttt	gttgaaaaat	1860
attactctaa	gagacttact	gcattgccga	cagcacagat	gtgaaggaga	tgagagtaag	1920
	caaactctat					
agaaaccccg	caaaccccac	aaayaaaccc	ccyaaaaaagc	gracargaag	aatgtagttt	1000
	aaggatcttt					
ttcttaatgt	ctgtcagaag	acactaattc	cttaaatgaa	ctactgctat	tttttttaaa	2100
	ttcatttcag					
			393444049		Lt L L	2200
	atgactattg					
gctgttctgt	gtacataaag	tcatcaaagt	ggggtacagt	aaagaggctt	ccaagcatta	2280
ctttaacctc	cctcaacaag	otatacetea	attecacaat	toctaaatta	taaaattcaa	2340
andadteada	aaatttgaat	antnaatoos	tagatatttt	ataaaaaatt	anatatatta	2400
aacaccaaca	aaacccgaac	aacaaaccya	cccacgcccc	graacaaacc	cactgtgtta	2400
tttaaggaaa	aaaaggtaag	ctatgcttag	tgccaacaat	aagtggccat	tcgtaaagca	2460
gtgttttagc	atttcttgtg	ctggcttgta	atgtagggaa	aaaaagtgct	gttttttgaa	2520
aagatggtgt	catttccccc	ttcttcccat	attttaaaac	cccatcttat	atccadttcc	2580
Caaaacctgc	atacttacct	aagtatttt	cccaggigig	ergratring	ggaatattty	2040
aaaatttaaa	gcatgattta	aaatttttta	aagtgagctg	tgacactgga	aagctcttca	2700
ttttatcttt	taaaatagag	tttttttttat	ttatatatot	aaaattotao	totatttctt	2760
ttasaassaa	agtgtgtggg	panttattta	tanatattt	nagantanaat	anaganatat	2020
cgttacccag	aattccccac	tgtctgctat	gagacttgta	actttatcac	tatacttctg	2880
cttggtgcca	tcttgtcaga	gtaatatttg	atgtctgtga	tatgtaaaga	attatcctag	2940
dataaadata	ttaaacttta	accadatttc	agatottact	actttaaaac	aaatramma	3000
Laacaaatta	aacgtataac	ctadadatatg	caatgacatt	cagaggcaac	caatgitgat	3000
ataggtagca	tagcctagcc	tectecceaa	aattgctttt	acaactaaca	ctgatactaa	3120
tttaggatag	ttcatgcctt	atcettgeta	annasatrona	attgatggta	agcaggtgct	3180
annatanttt	tcaaaacaat	atteasttes	neteannete	gettattast	geentttete.	2240
	agtaaaacat					
aaataqccaq	tattatgctg	totatttcto	tcaggtcatt	ttaaaatcca	tottaatttt	3360
		taactataaa			atattasset	
	tttttacatg		gageteactg	tgaatgtgtt		
	tttttacatg ccacacagta	cactacattt	gageteactg tacatatatg	tgaatgtgtt tacgtaatct	ctgggaatag	3480
taaattaatt	tttttacatg ccacacagta	cactacattt	gageteactg tacatatatg	tgaatgtgtt tacgtaatct	ctgggaatag	3480
	tttttacatg ccacacagta atgttattta	cactacattt taaacaatac	gageteactg tacatatatg ataggteaac	tgaatgtgtt tacgtaatct agactttaag	ctgggaatag cagggaggaa	3480 3540
aagaagagta	tttttacatg ccacacagta atgttattta atagcgtctg	cactacattt taaacaatac tgtgctgcag	gageteaetg tacatatatg ataggteaac accatteaga	tgaatgtgtt tacgtaatct agactttaag actgtcacgt	ctgggaatag cagggaggaa gtgtccccat	3480 3540 3600
aagaagagta ggtctcattc	tttttacatg ccacacagta atgttattta atagcgtctg attgtattcc	cactacattt taaacaatac tgtgctgcag tagcaattcc	gageteactg tacatatatg ataggteaac accatteaga etttteaatg	tgaatgtgtt tacgtaatct agactttaag actgtcacgt ttgagttcac	ctgggaatag cagggaggaa gtgtccccat ctctttattt	3480 3540 3600 3660
aagaagagta ggtctcattc	tttttacatg ccacacagta atgttattta atagcgtctg	cactacattt taaacaatac tgtgctgcag tagcaattcc	gageteactg tacatatatg ataggteaac accatteaga etttteaatg	tgaatgtgtt tacgtaatct agactttaag actgtcacgt ttgagttcac	ctgggaatag cagggaggaa gtgtccccat ctctttattt	3480 3540 3600 3660
aagaagagta ggtctcattc cacaaagtac	tttttacatg ccacacagta atgttattta atagcgtctg attgtattcc ttggtctctc	cactacattt taaacaatac tgtgctgcag tagcaattcc aatttcttga	gageteactg tacatatatg ataggteaac accatteaga etttteaatg tetggttttg	tgaatgtgtt tacgtaatct agactttaag actgtcacgt ttgagttcac cttccattta	ctgggaatag cagggaggaa gtgtccccat ctctttattt aaaactaatc	3480 3540 3600 3660 3720
aagaagagta ggtctcattc cacaaagtac aagaagggaa	tttttacatg ccacacagta atgttattta atagcgtctg attgtattcc ttggtctctc aatattgaga	cactacattt taaacaatac tgtgctgcag tagcaattcc aatttcttga atgtgcatac	gageteactg tacatatatg ataggteaac accatteaga etttteaatg tetggttttg aagaaaatea	tgaatgtgtt tacgtaatct agactttaag actgtcacgt ttgagttcac cttccattta ttaatttcct	ctgggaatag cagggaggaa gtgtccccat ctctttattt aaactaatc gaagatgaat	3480 3540 3600 3660 3720 3780
aagaagagta ggtctcattc cacaaagtac aagaagggaa ttctacctgt	tttttacatg ccacacagta atgttatta atagcgtctg attgtattcc ttggtctctc aatattgaga tgtgaacatt	cactacattī taaacaatac tgtgctgcag tagcaattcc aatttcttga atgtgcatac taactttctt	gageteactg tacatatatg ataggteac accatteaga ettteaatg tetggtttg aagaaaatea tttaaaagtt	tgaatgtgtt tacgtaatct agactttaag actgtcacgt ttgagttcac cttccattta ttaatttcct aaacaaaaat	ctgggaatag cagggaggaa gtgtccccat ctctttattt aaaactaatc gaagatgaat aaacaaggga	3480 3540 3600 3660 3720 3780 3840
aagaagagta ggteteatte cacaaagtae aagaagggaa ttetaeetgt tattatgatg	tttttacatg ccacacagta atgttatta atagcgtctg attgtattcc ttggtctctc aatattgaga tgtgaacatt aatgtttggt	cactacatti taaacaatac tgtgctgcag tagcaattcc aatttcttga atgtgcatac taactttctt ttatgtgagt	gageteactg tacatatatg ataggteaac accatteaga etttteaatg tetggttttg aagaaaatea tttaaaagtt actagagata	tgaatgtgtt tacgtaatct agactttaag actgtcacgt ttgagttcac cttccattta ttaatttcct aaacaaaaat aaatttttaa	ctgggaatag cagggaggaa gtgtcccat ctctttattt aaaactaatc gaagatgaat aaccaggga acccagttat	3480 3540 3600 3660 3720 3780 3840 3900
aagaagagta ggteteatte cacaaagtae aagaagggaa ttetaeetgt tattatgatg	tttttacatg ccacacagta atgttatta atagcgtctg attgtattcc ttggtctctc aatattgaga tgtgaacatt aatgtttggt	cactacatti taaacaatac tgtgctgcag tagcaattcc aatttcttga atgtgcatac taactttctt ttatgtgagt	gageteactg tacatatatg ataggteaac accatteaga etttteaatg tetggttttg aagaaaatea tttaaaagtt actagagata	tgaatgtgtt tacgtaatct agactttaag actgtcacgt ttgagttcac cttccattta ttaatttcct aaacaaaaat aaatttttaa	ctgggaatag cagggaggaa gtgtcccat ctctttattt aaaactaatc gaagatgaat aaccaggga acccagttat	3480 3540 3600 3660 3720 3780 3840 3900
aagaagagta ggtctcattc cacaaagtac aagaagggaa ttctacctgt tattatgatg tcacaatata	tttttacatg ccacacagta atgttatta atagcgtctg attgtattcc ttggtctctc aatattgaga tgtgaacatt aatgtttggc aaatgttttc	cactacatti taaacaatac tgtgctgcag tagcaattcc aatttcttga atgtgcatac taactttctt ttatgtgagt aagttagaaa	gageteactg tacatatatg ataggteaac accatteaga ettteaatg tetggttttg aagaaaatea tttaaaagtt actagagata aatttttag	tgaatgtgtt tacgtäatet agaetttaag actgteacgt ttgagtteac ettecattta ttaattteet aaacaaaaat aaattttaa aaateetggg	ctgggaatag cagggaggaa gtgtcccat ctctttattt aaaactaatc gaagatgaat aaacaaggga acccagttat tattgtattt	3480 3540 3600 3660 3720 3780 3840 3900 3960
aagaagagta ggteteatte cacaaagtae aagaagggaa ttetacetgt tattatgatg teacaatata aactgtaget	tttttacatg ccacacagta atgttatta atagcgtctg attgtattcc ttggtctct aatattgaga tgtgaacatt aatgtttggc aaatgttttc aacaatgtttc	cactacattī taaacaatac tgtgctgcag tagcaattcc aatttettga atgtgcatac taactttett ttatgtgagt aagttagaaa aaaacttgta	gageteactg tacatatatg ataggteaac accatteaga etttteaatg tetggttttg aagaaaatca tttaaaagtt actagagata actagagata tetttttag tetttttgag	tgaatgtgtt tacgtaatct agactttaag actgtcacgt ttgagttcac cttccattta ttaatttcct aaacaaaaat aaattttaa aaatcctggg aactatatt	ctgggaatag cagggaggaa gtgtcccat ctctttattt aaaactaatc gaagatgaat aacaaggga acccagttat tattgtattt aatagaaaaa	3480 3540 3600 3660 3720 3780 3840 3900 3960 4020
aagaagagta ggtctcattc cacaaagtac aagaaggaa ttctacctgt tattatgatg tcacaatata aactgtagct ctttttataa	tttttacatg ccacacagta atgttatta atagcgtctg attgtattcc ttggtctctc aatattgaga tgtgaacatt aatgtttggc aaatgttttc aaccaatttt gcagtaaaat	cactacattī taaacaatac tgtgetgcag tagcaattec aatttettga atgtgcatac taacttett ttatgtgagt aagttagaaa aaaacttgta aagaatgtte	gageteactg tacatatatg ataggteaac accatteaga etttteaatg tetggttttg aagaaaatca tetaaaagtt actagagata aattttttag tetetttgag eagtgactac	tgaatgtgtt tacgtaatct agactttaag actgtcacgt ttgagttcac cttccattta ttaattcct aacaaaaat aaattttaa aaatcctggg aactattatt ctgtccttat	ctgggaatag cagggaggaa gtgtccccat ctcttattt aaaactaatc gaagatgaat aaccaggtat tattgtattt aatagaaaa acctagtctt	3480 3540 3600 3660 3720 3780 3840 3900 3960 4020 4080
aagaagagta ggtctcattc cacaaagtac aagaaggaa ttctacctgt tattatgatg tcacaatata aactgtagct ctttttataa	tttttacatg ccacacagta atgttatta atagcgtctg attgtattcc ttggtctct aatattgaga tgtgaacatt aatgtttggc aaatgttttc aacaatgtttc	cactacattī taaacaatac tgtgetgcag tagcaattec aatttettga atgtgcatac taacttett ttatgtgagt aagttagaaa aaaacttgta aagaatgtte	gageteactg tacatatatg ataggteaac accatteaga etttteaatg tetggttttg aagaaaatca tetaaaagtt actagagata aattttttag tetetttgag eagtgactac	tgaatgtgtt tacgtaatct agactttaag actgtcacgt ttgagttcac cttccattta ttaattcct aacaaaaat aaattttaa aaatcctggg aactattatt ctgtccttat	ctgggaatag cagggaggaa gtgtccccat ctcttattt aaaactaatc gaagatgaat aaccaggtat tattgtattt aatagaaaa acctagtctt	3480 3540 3600 3660 3720 3780 3840 3900 3960 4020 4080
aagaagagta ggtotcattc cacaaagtac aagaagggaa ttotcacctgt tattatgatg tcacaatata aactgtagct ctttttataa gttaaaactt	ttttacatg ccacacagta atgttattta atagcgtctg attgtattcc ttggtctctc aatattgaga tgtgaacatt aatgttttgc aaatgttttc aacaatttt gcagtaaaat tcttttgcag	cactacattī taaacaatac tagtgctgcag tagcaattcc aatttcttga atgtgcatac taactttctt ttatgtjgagt aagttagaaa aaaacttgta aagaatgttc ggtatttagt	gagcteactg tacatatatg ataggteaac accattcaga cttttcatatg tctggttttg aagaaaatca tttaaaagtt actagagata aatttttag tccttttgag cagtgactac gtttggttta	tgaatgtgtt tacgtaatot agactttaag actgtcacgt ttgagttcac cttccattta ttaatttcct aaacaaaaat aaatttttaa aaatcetggg aactattatt ctgtccttat cagtcagtgc	ctgggaatag cagggaggaa gtgtccccat ctctttattt aaactaatc gaagatgaat aaccaggtaa tattgtattt aatagaaaaa acctagtctt agagtggga	3480 3540 3660 3720 3780 3840 3900 4020 4080 4140
aagaagagta ggtotcatto cacaaagtac aagaaggaa totacctgt tattatgatg tcacaatata aactgtagot ctttttataa gttaaaactt agttaacaga	tetttacatg ccacacagta atgttattta atagcgtetg attgtattcc ttggtctctc aatattgaga tgtgaacatt aatgtttgc aaatgttttc cacacaatttt gcagtaaaat tcttttgcag aagtttgag aagtttgag a	cactacattī taaacaatac tagtgetgeag tagcaattec aatttettga atgtgeatac taactttett tatgtgagt aagtagaaa aaaacttgta aagaatgtte ggtattagg taggatac	gagctcactg tacatatatg ataggtcaac accattcaga ctttcaatg tctggtttg aagaaaatca tttaaaagtt actagagata aatttttag tccttttgag cagtgactac gtttggttta ggaaaaaaa	tgaatgtgtt tacgtaatct agactttaag actgtcacgt ttgagttcac cttccattta ttaatttcct aacaaaaat aaattttaa aaatcctggg aactattatt ctgtcctta cagtcagtgc agatacaaag	ctgggaatag cagggaggaa gtgtccccat ctcttattt aaaactaatt gaagatgaat aaccagttat tattgtattt aatagaaaaa acctagtctt agagtggca aatgaggaaaa	3480 3540 3600 3720 3780 3840 3900 3960 4020 4080 4140 4200
aagaagagta ggtotcatto cacaaagtac aagaagggaa ttotacetgt tattatgatg tcacaatata aactgtaget ctttttataa gttaaaactt agttaacaga atggtgatco	tetttacatg ccacacagta atgttattta atagcgtctg attgtattcc ttggtctctc aatattgaga tgtgaacatt aatgtttggc aatgttttc caccaatttt gcagtaaaat tettttgcag aagtttgagc attttgggc	cactacatti taaacaatac tagcagcag tagcaattcc aatttettga atgtgcatac taactttett ttatgtgagt aagttagaaa aaaacttgta aagaatgtc ggtattagt tagagatac taactgagagaac	gagctcactg tacatatatg ataggtcaac accattcaag ctttcaatg tctggtttg aagaaaatca ttttaaaggt tctagatttttaatg ttttatttta	tgaatgtgtt tacgtaatct agactttaag actgtcacgt ttgagttcac cttccattta ttaatttcct aaactaataa aaattttaa aaatcctggg aactattat ccgtccttat cagtcagtgc aagactacaag actotttcct	etgggaatag cagggagga gtgtccccat ctctttatt aaactaatc gaagatgaat aaccaggga acccagttat tattgtatt aatagaaaaa acctagtctt agagtggca actggtggca actggtgatag	3480 3540 3600 3660 3720 3780 3980 4020 4020 4140 4260
aagaagagta ggtotcatto cacaaagtac aagaagggaa ttotacctgt tattatgatg toacaatata aactgtagot cttttataa gttaaaactt agttaacaga atggtgatoc gtgotoctca	tetttacatg ccacacagta atgttattta atagogtotg attgtattcc ttggtctct aatattgaga tgtgaacatt aatgtttggc aaatgtttg aaccaatttt gcagtaaaat tettttgcag aagtttgagc attttggagc attttggggc	cactacatti taaacaatac tgtgctgoag tagcaattoc aatttettga atgtgcatac taactttott ttatgtgag aagttagaaa aaaattgta aggtatttagt taggaatattagt tagagatact taacttgaaa	gagctcactg tacatatatg tacatatatg ataggtcaac accattcaga ctttcaatg tctggtttg aagaaatca tttaaaagt actttttag tcttttgag tcttttgag tctttttgag tctttttgag cattgactac gttttgtgtttg ggaaaaaaa ccccaaata ctttctgat tttttgat	tgaatgtgtt tacgtaatct agactttaag actgtcacgt ttgagttcac cttccattta ttaattcct aaacaaaaaa aatttttaa aaatccttgg aactattatt ctgtcottat cagtcagtg aagatcaaag acttttcc cgcatcagaa	etgggaatag cagggaggaa gtgtecccat ctettattt aaaactaate gaagatgaat aaccaggta tattgtattt aatagaaaa acctagtett agagtggca aatgagaaaa catgtgtatg ctgctgetge	3480 3540 3660 3660 3720 3780 39840 3900 3960 4020 4080 4140 4260 4260 4320
aagaagagta ggtotcatto cacaaagtac aagaagggaa ttotacctgt tattatgatg toacaatata aactgtagot cttttataa gttaaaactt agttaacaga atggtgatoc gtgotoctca	tetttacatg ccacacagta atgttattta atagcgtctg attgtattcc ttggtctctc aatattgaga tgtgaacatt aatgtttggc aatgttttc caccaatttt gcagtaaaat tettttgcag aagtttgagc attttgggc	cactacatti taaacaatac tgtgctgoag tagcaattoc aatttettga atgtgcatac taactttott ttatgtgag aagttagaaa aaaattgta aggtatttagt taggaatattagt tagagatact taacttgaaa	gagctcactg tacatatatg tacatatatg ataggtcaac accattcaga ctttcaatg tctggtttg aagaaatca tttaaaagt actttttag tcttttgag tcttttgag tctttttgag tctttttgag cattgactac gttttgtgtttg ggaaaaaaa ccccaaata ctttctgat tttttgat	tgaatgtgtt tacgtaatct agactttaag actgtcacgt ttgagttcac cttccattta ttaattcct aaacaaaaaa aatttttaa aaatccttgg aactattatt ctgtcottat cagtcagtg aagatcaaag acttttcc cgcatcagaa	etgggaatag cagggaggaa gtgtecccat ctettattt aaaactaate gaagatgaat aaccaggta tattgtattt aatagaaaa acctagtett agagtggca aatgagaaaa catgtgtatg ctgctgetge	3480 3540 3660 3660 3720 3780 39840 3900 3960 4020 4080 4140 4260 4260 4320

```
tgccatagga ctgatggatt aaccagtgtt cggctttatt tgaagtctat gccctgcaca 4440
getettgtat gtattttaga tgetagaagt tittttagea tgtgatgtgt gattettgtt 4500
tqaattotaq qtaccttqtq aattocaqaa aaaqaqactq tqcttcacqa ttqttaqtcc 4560
catgaactty cactatctat ctttcatggt gatgttttga aaatacaatc aggaaaaaac 620 ccaacacctt tggaatttaa aatagaatca tatcatgaaa tttaaaaaga atctcttcty 4680
ttgcatttcc tcaccctaa gtaacagcta catttaagta aaatgcaggt ggtaggggaa 4740
tuguttutti tuattottaa yaataguta daittaagta akatgugu yytäygyssä 4740
aaaaaacott gyotagatgy tyyttiagty gaataaacty attactygmi mininninin 1800
mininminin nininminin myottoato acagataett teoayttiet etittäaet 4860
tittigaaaga attactitt aggaacatt gyatagata yostaaaatt attatacota 1920
ttatgggcaa aatgatacaa gtagcatett gattgaacat catttacete agatattcaa 4980
ccagcactae gttttttatg cagteteaae ccatateeea tttgttacet ctcagaatat 5040
tggtaageag ttattttege tttactetgt atttettgtg ttttgggeae aggttattgt 5100
actactgtca aatcgtactt gctattttt ctgcaagtat ttaacagaaa gcttaaaatc 5160
cccatagaac cccaccttgg ataagtgatt gttaaatatt gtacaaataa aatgtatgct 5220
atccccattc catccccaag ttaaataaaa aaatgaatac ggtatgattt gcatatgcag 5280
tttttc
<210> 123
<211> 3704
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 344240.2
<220>
<221> unsure
<222> 3522, 3634-3635, 3699
<223> a, t, c, g, or other
<400> 123
eggetegagg agaagtggat aaateagtge tgetttettt aggaegaaag aagtatggag 60
cagtgggatc actttcacaa tcaacaggag gacactgata gctgctccga atctgtgaaa 120
tttgatgete geteaatgae agetttgett ceteegaate etaaaaacag ceetteeett 180 caagagaaac tgaagteett caaagetgea etgattgeee tttaceteet egtgtttgea 240
gtteteatee eteteattgg aatagtggea geteaactee tgaagtggga aaegaagaat 300
tgctcagtta gttcaactaa tgcaaatgat ataactcaaa gtctcacggg aaaaggaaat 360
gacagegaag aggaaatgag atttcaagaa gtetttatgg aacacatgag caacatggag 420
aagagaatee agcatatttt agacatggaa gecaacetea tggacacaga geattteeaa 480 aattteagea tgacaactga teaaagattt aatgacatte ttetgeaget aagtacettg 540
ttttcctcag tccagggaca tgggaatgca atagatgaaa tctccaagtc cttaataagt 600
ttgaatacca cattgcttga tttgcagctc aacatagaaa atctgaatgg caaaatccaa 660
gagaatacct tcaaacaaca agaggaaatc agtaaattag aggagggtgt ttacaatgta 720
tcagcagaaa ttatggctat gaaagaagaa caagtgcatt tggaacagga aataaaagga 780
gaagtgaaag tactgaataa catcactaat gatctcagac tgaaagattg ggaacattct 840 cagaccttga gaaatatcac tttaattcaa ggtcctcctg gaccccggg tgaaaaagga 900
gategaggte ccactggaga aagtggteca cgaggattte caggtecaat aggteeteeg 960
ggtcttaaag gtgatcgggg agcaattggc tttcctggaa gtcgaggact cccaggatat 1020
gccggaaggc caggaaattc tggaccaaaa ggccagaaag gggaaaaggg gagtggaaac 1080
acattaactc catttacgaa agttcgactg gtcggtggga gcggccctca cgaggggaga 1140
gtggagatac tecacagegg ceagtggggt acaatttgtg acgategetg ggaagtgege 1200
gttggacagg tcgtctgtag gagcttggga tacccaggtg ttcaagccgt gcacaaggca 1260
gctcactttg gacaaggtac tggtccaata tggctgaatg aagtgttttg ttttgggaga 1320
gaatcatcta ttgaagaatg taaaattegg caatggggga caagageetg ttcacattet 1380
gaagatgetg gagtcacttg cactttataa tgcatcatat tttcattcac aactatgaaa 1440
tegetgetea aaaatgatti tattaeettg tieetgtaaa ateeatttaa teaatattta 1500 agaqattaaq aatattgeee aaataatatt tiagattaea ggattaatat attgaeeee 1560
ttcatgctta ctattttatg tctatattta aatcatttta acttctatag gtttttaaat 1620
ggaattttet aatataatga ettatatget gaattgaaca ttttgaagtt tatagettee 1680
agattacaaa ggccaagggt aatagaaatg cataccagta attggctcca attgataata 1740
tyttcaccag gagattacaa ttttttgctc ttcttgtctt tytaatctat ttagttgatt 1800
ttaattactt tctgaataac ggaagggatc agaagatatc ttttgtgcct agattgcaaa 1860
atotocaato cacacatatt gttttaaaat aagaatgtta tocaactatt aagatatoto 1920
aatgtgcaat aacttgtgta ttagatatca atgttaatga tatgtcttgg ccactatgga 1980
ccagggaget tattttett gteatgtact gacaactgtt taattgaate atgaagtaaa 2040
ttgaaagcag gacatatgag aaaactgacc atcagtatat ttgtccagat aattggtgga 2100
```

```
tcaaaaatgc cacttaacag gaagtttagt ttgttatgca ctttaaatgg aataattagc 2160
ttgttacaat tctaggacati gyfgtttaaa atttaaatct gattaatcca ttttaaccaaa 2220
caatgcaaac attttcagtg cagaaggaag agtggtttca actgtttgga gtcttttatg 23c
aagtcagtca acatgtacaa ccaaagggcg gggggggtg gggggtgcgt ctttagtcct 2340
aaagggacaa taactctgag catgccccaa aaaagtagct tagcaacctt ttgttggtag 2400
tcaacccate cccaggcca tagtgtagag tgtgaaaagc taccctgaaa cccagtaatc 2460
ctaccetgaa agtgactgcc tgcagaaaga ccagcagttg atattaaagc gcaaatgaat 2520
tcaacctcag coctgaaaat aacagaattc tgaagtttcc tatgactaat tcacaaaaaa 2580
aqtaattqta aactaqtact attatqqaat tactctactq ttetttett aataqtqqca 2640
aatgaaagca taagettaag cattititica tattetgaag teleaceaca cataataace 2700
aagtggtaga etcacaqeeq tecaacitaa aaaggcaaaa cettacettg gaattggaat 2760
tactgtaaac agcctactga aaatgcattt ttatcatgta acattettet acttgtttaa 2820
cattgctgat tttctctggc agcataattt tgtggttaag agaatgaatt ctgaatgtac 2880
actttctgtc tcaaaccctg gctgtaattt cagctagtta ataattcttt gtgttcagtt 2940
ccactatcta ggtattttct tcaaaaggta aatacaatgg tttctgaaag aatcatttgc 3000
attateagee tgtttgggat gtetgagate agtgeetetg ggttgttaat aetgtattge 3060
tgtatggtat atgtatgetg atttactact tatgegtaag tggtatgeat gggatgtetg 3120
agateagtge etatogotto tegatagtat tagetattag tottagetgt tagtattage 3180
tattagtatt attaacacta ataatagtac tattactatt actattttta ttttaaaata 3240
aaatttacct ttaaaataat aatagtgcta ttgctagtac tagtactatt gctattactg 3300
ggtactatta ctagtactag tactatgaca etgttaatag tactattaac aacceatagg 3360
cacttgggat gtctgagatc agtgcctatg ggttgttag actatattgc tgtattggtat 3420
atgcatgctg atttaccac tatgcataga tatatettta ataagtaatc taaaaatcc 348
ttitgtattt gagagaatet aetaagttea gteeagteaa gnaaagaace taatageace 3540
athocaast gaggactta strasginca gircagicaa gisaasjaact taatagcacc 3340
aatacaast tiggactta titaatitga aatgitgaat tgcattigit catitaaaaa 3600
aaacagaaat tiggastig gittittiga aaanntaget cagetgacca gaatgaatg
attotactig tigagccat cageatcacg tiaaatgicna aatg
<210> 124
<211> 5301
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 239694.6
<220>
<221> unsure
<222> 1712-1853, 2182
<223> a. t. c. g. or other
<400> 124
ggeggeeeeg eeeegeeeeg eeeggetget eeatggeget gtgeggagge egegggetge 60
ggggagtgoc ctgctctggc ctcgcttgtt gctcttcggg gactccatca cccagttttc 120
cttccagcag ggtggatggg gagcatcgct ggctgacagg ctggtcagaa aatgtgatgt 180
tctgaatcgt ggattttcag gttacaatac caggtgggcc aaaattatc ttccaagatt 240
aatcaggaaa ggaaacagtt tggacatccc agtagcagtt acaattttct ttggggccaa 300
tgacagtgca ctaaaagatg agaatcccaa gcagcacatt cccctggagg agtacgctgc 360
gaacetaaag agcatggtge agtacetgaa gteegtggac atceetgaga atcgagteat 420 teteateaeg eegaceceae tttgtgaaac agcetgggaa gaacagtgea teatacaagg 480
ttgcaaacta aatcgcctga actctgttgt tggtgaatat gccaatgcgt gtttacaagt 540
ggcccaagac tgtgggactg acgtacttga cctgtggacc ctgatgcagq acagccagga 600
ottotoatot tatttatoag atggactaca tttgtotoca aaggggaatg aatttttgtt 660
etegeatete tegeetttea tagagaaaaa getetettet etacetttee teetteetta 720
ctggcgggat gtagcagaag caaaacctga attaagtctg ctgggagatg gagaccatta 780
gccaatcaca ggagacccaa atctgcttgt tatctacaga actcaaagtt gtcaatacgt 840
agaggtacge ttittteete aggettaaae etttgecaet gatattaata ataaaagtat 900
tagatgattt ttcaqqqaag tittatactt agqtccattg tqtttcgaca gtatttatta 960
atgcagatat cagtgctaca gctataaaat ataccctgag cagcttgtta attctataaa 1020
tgacaaagac tatgttttta aaaagtcaca attttataaa aatggttttt cttacattct 1080
tttgagaact gtttcactca tacatacacc cacacacccc actcaacctt gtatcaaatt 1140
ccaaaagtgt aactaaagta taagaatatc atgactagtt aaaagatagc aaataccata 1200
aggtacaagt teaagtatta gtataacaag tatotgagta acaaatgtoc ttggaaatgg 1260
gggtaggag gagatatgat tagteacagg thtggtaac tgccotcaaa atttacaagg 1320
taaaatgttt tggctggtga gacaatttea gttottaggg gaaaaaaage thttaatggc 1380
aatttatag
```

catccagaat	cctggagcaa	taaagtaaga	agtaattcaa	atatetgett	gtgggtcaat	1500
aaaaaaaatt	tctgaagtat	canatottat	ag add account	agannagata	a a a a a a a a a a a a a a a a a a a	1560
gtattetate	tectggetgg	ctcatcacat	tcaaaacaac	ctgtttttt	tgttgttgtt	1620
gttgttaaga	aatatctcac	cctcttattc	aatagtgttt	gaaaacaggc	aatctttgta	1680
	tctaggtttg					
	${\tt nnnnnnnnn}$					
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnncatgtat	1860
ccctatcagt	aacagggata	catgaagata	cttataaaat	acagaaaaac	tgcccagcaa	1920
	taaacagttg					
	taggtggtta					
	aatgatttct					
ggtaataact	agaaatagac	ccacaattta	gagacaatgt	atactagatt	tatctccttt	2160
	gaaggcaaaa					
	atgcctcata					
	agtgctgtta					
aacccaatcc	agctgtattt	tetgettttg	caccacaggt	caaaagatat	tttaaaaact	2400
aaaacctcaa	agcctcaaaa	taagctagat	traccttrac	cttacctttt	caaaaaaaaa	2460
	cacacaagaa					
	ttcccagtct					
ataaaaatat	tttgcacact	taagtcagaa	qagctgagaa	ctaaattagc	actctgtttc	2640
tttactatca	acacgattct	gacgetgeag	tttaaaggag	geageetttt	cacttetoot	2700
	tccgtgagat					
gaccaggacagg	cccgcgagac	ccccaaacga	cocygoages	gegeegeeae	cegggaaggg	2700
	aacccatcct					
gtccattctc	tggtggtcca	gttttggagc	tgctggcgcc	gaagggatca	caggggcagg	2880
ctacaaacaa	cctggagtct	agaacacaaa	aaagggtttg	ataatocoaa	ccgatgcaga	2940
	ctcagcattt					
ttteteeset	ttcttatcca		ggggugaate	agagacagag	accounters	2000
	aggacagacc					
gctcagctgg	tcaatgaaat	cccaaaatcq	ttcaattaca	tectqtacte	gtttctcaca	3180
	atgtcacaaa					
	gcatcgacat					
gcaggagttg	tcagtttcat	tacatgcaca	ggactccagc	tgctgttccc	tetegeagaa	3360
agggatgcat	ttcccatcct	tacacttgcc	aagatccaag	caaacagtgt	catcttcagc	3420
atttcctgga	ggcgggcact	cactgctatt	acctotocao	taggacacgc	ctttgcaagt	3480
agcattaatc	geeteetage	acttettete	acceptator	aactgacagt	ttttacacca	3540
aggactgttc	ctgtcactgc	actggacacc	ttccttcaac	gtgcagtcgc	tgttgcagca	3600
ggtgtcgttg	ctgtcactgc ttcagataca	tgatgccagg	atcacactct	tctccttcat	ccaccctcga	3660
ggtgtcgttg	ctgtcactgc ttcagataca	tgatgccagg	atcacactct	tctccttcat	ccaccctcga	3660
ggtgtcgttg gttcccacaa	ctgtcactgc ttcagataca actttattgc	tgatgccagg tgcgttcttg	atcacactct aaaacactcc	tctccttcat tgggccttac	ccaccctcga tttcaatggt	3660 3720
ggtgtcgttg gttcccacaa cttatagatt	ctgtcactgc ttcagataca actttattgc gattgtttac	tgatgccagg tgcgttcttg tgcagtttga	atcacactct aaaacactcc aaacatctta	teteetteat tgggeettae ttgttetegt	ccaccctcga tttcaatggt gatcgccact	3660 3720 3780
ggtgtcgttg gttcccacaa cttatagatt cacagctatg	ctgtcactgc ttcagataca actttattgc gattgtttac ggatacatga	tgatgccagg tgcgttcttg tgcagtttga catatttccc	atcacactct aaaacactcc aaacatctta tccctggtcc	teteetteat tgggeettae ttgttetegt teattegggg	ccaccctcga tttcaatggt gatcgccact cacattctgc	3660 3720 3780 3840
ggtgtcgttg gttcccacaa cttatagatt cacagetatg tagaccatcc	ctgtcactgc ttcagataca actttattgc gattgtttac ggatacatga ggatcatgtt	tgatgccagg tgcgttcttg tgcagtttga catatttccc ctgctccaaa	atcacactet aaaacactee aaacatetta teeetggtee attatgteee	tctccttcat tgggccttac ttgttctcgt tcattcgggg aattcatgag	ccaccetega tttcaatggt gategecact cacattetge ttgtaaccag	3660 3720 3780 3840 3900
ggtgtcgttg gttcccacaa cttatagatt cacagetatg tagaccatcc	ctgtcactgc ttcagataca actttattgc gattgtttac ggatacatga	tgatgccagg tgcgttcttg tgcagtttga catatttccc ctgctccaaa	atcacactet aaaacactee aaacatetta teeetggtee attatgteee	tctccttcat tgggccttac ttgttctcgt tcattcgggg aattcatgag	ccaccetega tttcaatggt gategecact cacattetge ttgtaaccag	3660 3720 3780 3840 3900
ggtgtcgttg gttcccacaa cttatagatt cacagetatg tagaccatcc gtcagettcc	ctgtcactgc ttcagataca actttattgc gattgtttac ggatacatga ggatcatgtt tttgtaagga	tgatgccagg tgcgttcttg tgcagtttga catatttccc ctgctccaaa tggttttacc	atcacactct aaaacactcc aaacatctta tccctggtcc attatgtccc ataattcttt	teteetteat tgggeettae ttgttetegt teattegggg aatteatgag gtgetegtea	ccaccetega tttcaatggt gategecact cacattetge ttgtaaccag aaccactatt	3660 3720 3780 3840 3900 3960
ggtgtcgttg gttcccacaa cttatagatt cacagetatg tagaccatec gtcagettcc caaatagata	ctgtcactgc ttcagataca actttattgc gattgtttac ggatacatga ggatacatgt tttgtaagga tttttctcc	tgatgccagg tgcgttcttg tgcagtttga catatttccc ctgctccaaa tggttttacc caactgggct	atcacactet aaaacactec aaacatetta teeetggtee attatgteee ataattettt ataataagee	teteetteat tgggeettae ttgttetegt teattegggg aatteatgag gtgetegtea tttggacaaa	ccaccetega tttcaatggt gategecact cacattetge ttgtaaccag aaccactatt cacctccatg	3660 3720 3780 3840 3900 3960 4020
ggtgtcgttg gttcccacaa cttatagatt cacagetatg tagaccatcc gtcagettcc caaatagata gctgtttgct	ctgtcactgc ttcagataca actttattgc gattgtttac ggatacatga ggatacatgt tttgtaagga ttttcttcc ctgggagagc	tgatgccagg tgcgttcttg tgcagtttga catatttccc ctgctccaaa tggttttacc caactgggct caacataggc	atcacactet aaaacactec aaacatetta teeetggtee attatgteee ataattettt ataataagee taatccaaga	tctccttcat tgggccttac ttgttctcgt tcattcgggg aattcatgag gtgctcgtca tttggacaaa gttcccatat	ccaccetega tttcaatggt gategecact cacattetge ttgtaaccag aaccactatt cacetecatg caaaatettg	3660 3720 3780 3840 3900 3960 4020 4080
ggtgtcgttg gttcccacaa cttatagatt cacagetatg tagaccatec gtcagettcc caaatagata gctgtttgct gtatgtgaaa	etgteactge tteagataca actttattge gattgtttac ggatacatga ggatcatgt tttgtaagga ttttettee etgggagage aggtgtgeca	tgatgccagg tgcgttcttg tgcagtttga catatttccc ctgctccaaa tggttttacc caactgggct caacataagc agcaaacttt	atcacactet aaaacactec aaacatetta teeetggtee attatgteee ataattettt ataataagee taatccaaga agatgettee	tctccttcat tgggccttac ttgttctcgt tcattcgggg aattcatgag gtgctcgtca tttggacaaa gttcccatat tcagctatat	ccaccetega tttcaatggt gategecact cacattetge ttgtaaccag aaccactatt cacetecatg caaaatettg caaaagetaaa	3660 3720 3780 3840 3900 3960 4020 4080 4140
ggtgtcgttg gttcccacaa cttatagatt cacagctatg tagaccatec gtcagcttcc caaatagata gctgtttgct gtatgtgaaa ttgctctagc	etgteactge tteagataca acttattge gattgtttac ggatacatga ggatcatgt tttgtaagga ttttettec etgggagage aggtgtgcea aacatettea	tgatgccagg tgcggttcttg tgcagtttga catatttccc ctgctccaaa tggttttacc caactggget caacataagc agcaaacttt catcccaagc	atcacactet aaaacatetta tecetggtee attatgteee ataattettt ataataagee taatecaaga agatgettee atecttttet	teteetteat tgggeettae ttgttetegt teattegggg aatteatgag gtgetegtea tttggacaaa gtteecataa teagetatat teatttggg	ccacctcga tttcaatggt gategccact cacattctgc ttgtaaccag aaccactatt cacctccatg caaaatcttg caaaagctaaa aactttttgc	3660 3720 3780 3840 3900 3960 4020 4080 4140 4200
ggtgtcgttg gttcccacaa cttatagatt cacagctatg tagaccatec gtcagcttcc caaatagata gctgtttgct gtatgtgaaa ttgctctagc	etgteactge tteagataca actttattge gattgtttac ggatacatga ggatcatgt tttgtaagga ttttettee etgggagage aggtgtgeca	tgatgccagg tgcggttcttg tgcagtttga catatttccc ctgctccaaa tggttttacc caactggget caacataagc agcaaacttt catcccaagc	atcacactet aaaacatetta tecetggtee attatgteee ataattettt ataataagee taatecaaga agatgettee atecttttet	teteetteat tgggeettae ttgttetegt teattegggg aatteatgag gtgetegtea tttggacaaa gtteecataa teagetatat teatttggg	ccacctcga tttcaatggt gategccact cacattctgc ttgtaaccag aaccactatt cacctccatg caaaatcttg caaaagctaaa aactttttgc	3660 3720 3780 3840 3900 3960 4020 4080 4140 4200
ggtgtegttg gtteccacaa cttatagatt cacagetatg tagaceatec caaatagata getgttget gtatgtgaaa ttgetetage catgttgtag	etgteactge tteagataca actttattge gattgtttac ggatacatga ggatacatgt tttgtaagga tttttettee etgggagage aggtgtgeea acatettea tgettteae	tgatgccagg tgcggttcttg tgcagtttga catatttccc ctgctccaaa cgatttacc caactggget caacataagc agcaaacttt catcccaage caggttttac	atcacactet aaacactee aacatetta teeetggtee attatgteee ataatettt ataataagee taatecaaga agatgettee atcettttet etettgtgga	teteetteat tgggeettae ttgttetegt teatteggg aatteatgag gtgetegtea tttggacaaa gtteecatat teagetatat teatttgggt gacttgaga	ccaccetega tttcaatggt gategecact cacattetge ttgtaaccag accactatt cacatecatg caaaatettg caaaagetaaa aactttttge tgegaatetg	3660 3720 3780 3840 3900 3960 4020 4080 4140 4200 4260
ggtgtcgttg gttcccacaa cttatagatt cacagetatg tagaccatcc gtcagettec caaatagata gctgtttgct gtatgtgaaa ttgctctagc tgctctagc ctgtttgtag ctctatctgt	etgteactge treagataca actitattge gattgtttac ggatacatga ggatacatgt tttgtaagga ttttettec etgggagage aggtgtgcca aacatettea tattecatage	tgatgccagg tgcggttcttg tgcagtttga catatttccc ctgctccaaa tggttttacc caactgggct caacataagc agcaaacttt catcccaagc caggttttac ctttaaaacc	atcacactct aaaacactcc aacatctta tcctggtcc attatgtccc ataattcttt ataataagcc taatccaaga agatgcttcc atccttttct ctcttgtgga tgcattaccc	teteetteat tgggeettae tetetetegt teattegggg aatteatgag gtgetegtea tttggacaaa gtteecatat teagetatat teatttgggt gaettgagaa catgaagtgt	ccacctcga tttcaatggt gatcgccact cacattctgc ttgtaaccag aaccactatt cacctccatg caaaatcttg caaagctaaa aactttttgc tgcgaatctg tccgatagat	3660 3720 3780 3840 3900 4020 4080 4140 4260 4320
ggtgtegttg gttcccacaa cttatagatt cacagctatg tagaccatec caaatagata gctgtttgct gtatgtgaaa ttgctctagc catgttgtag ccttatctgt gtcatctgt	etgteactge ttcagataca actttattge gattgtttac ggatacatga ggatacatgt tttgtaagga ttttettec etgggagage aggtgtgeca acatettea tgettttea etgettteac etgetataga	tgatgccagg tgcgttcttg tgcagtttga catatttccc ctgctccaaa tggttttacc caactgggct caacataagc agcaaactt catcccaagc caggttttac ctttaaaacc gctctattaa	atcacactet aaacactet aaacatetta tecetggtec attatgtecc ataattettt ataataagec taatecaaga agatgettec atcettttet etcttgtgga tgcattatec gtaattec	totoctteat tgggoettac ttgttetegt teattegggg aatteatgag gtgetegtea tttggacaaa gtteccatat teagtatat teatttgggt gacttgagaa acatgaagtg gttgtactet	ccaccetega thtcaatggt gategecact cacattetge thgtaaccag aaccactatt cacetecatg caaaatettg caaagetaaa aactttttge tgegaatetg tgegataga tccgatagat cttcccctct	3660 3720 3780 3840 3900 4020 4080 4140 4260 4320 4380
ggtgtcgttg gttcccacaa cttatagatt cacagctatg tagaccatcc gtcagcttcc caaatagata gctgtttgct gtatgtgaa ttgctctagc catgttgtag ctctatctgt gcacacaccac	etgteaetge tteagataca actitattge gattgtttae ggatacatga ggatacatga ttttttae tttttetee etggagaage agstgtgeaa aacatettea tgetttteae atceatage etgetaatta etgtagaage	tgatgccagg tgcgttcttg tgcagtttga catatttccc ctgctccaaa tggtttacc caactgggct caacataagc agcaaactt catcccaage caggttttac ctttaaaacc gctctattaa gatgatctgc	atcacactet aaaacactec aaacatetta tecetggtee attatgteee ataattettt ataataagee taateettte atcattette atcattette atgategettee atcettttet ctettgtgga tgcattatee gtaattegte taccaccaat	totocttoat tgggcettac ttgttctcgt tcattcgggg aattcatgag gtgctcgtca tttggacaaa gttcccatat tcagctatat tcatttgggt gacttgagaa catgaagtgt gttgtactct aatttacacg	ccaccetega tttcaatggt gatcgccact cacattctgc ttgtaaccag aaccactatt cacctccatg caaaatcttg caaagctaaa aactttttgc ttggaaatctg tccgatagat cttcccctct tgttctcat	3660 3720 3780 3840 3960 4020 4080 4140 4200 4320 4380 4440
ggtgtcgttg gttcccacaa cttatagatt cacagctatg tagaccatcc gtcagcttcc caaatagata gctgtttgct gtatgtgaa ttgctctagc catgttgtag ctctatctgt gcacacaccac	etgteactge ttcagataca actttattge gattgtttac ggatacatga ggatacatgt tttgtaagga ttttettec etgggagage aggtgtgeca acatettea tgettttea etgettteac etgetataga	tgatgccagg tgcgttcttg tgcagtttga catatttccc ctgctccaaa tggtttacc caactgggct caacataagc agcaaacttt catcccaage caggttttac ctttaaaacc gctctattaa gatgatctgc	atcacactet aaaacactec aaacatetta tecetggtee attatgteee ataattettt ataataagee taateettte atcattette atcattette atgategettee atcettttet ctettgtgga tgcattatee gtaattegte taccaccaat	totocttoat tgggcettac ttgttctcgt tcattcgggg aattcatgag gtgctcgtca tttggacaaa gttcccatat tcagctatat tcatttgggt gacttgagaa catgaagtgt gttgtactct aatttacacg	ccaccetega tttcaatggt gatcgccact cacattctgc ttgtaaccag aaccactatt cacctccatg caaaatcttg caaagctaaa aactttttgc ttggaaatctg tccgatagat cttcccctct tgttctcat	3660 3720 3780 3840 3960 4020 4080 4140 4200 4320 4380 4440
ggtgtcgttg gttcccacaa gttaccacaa cttatagatt cacagctatg tagaccatcc gtcagcttcc caaatagata gctgtttgct gtatgtgaaa ttgctctagc catgttgtag catgttgtag gtcatcactgt gtcatcacat ggcacteggg	etgteaetge tteagataca actitattge gattgtttae ggatacatga ggatcatgtt tttgtaagga tttttettee etgggagage aggtgtgeea aacatettea tgetttteae etgteaatta etgtagaage	tgatgocagg tgcgttcttg tgcagtttga catatttcc ctgctccaaa tggttttacc caactgggct caacataagc agcaaactt catcccaagc caggttttac ctttaaaacc gctctattaa gatgatctg ttttcactcg	atcacactet aaaacactec aaaacatetta teeetgytee attatyteee taatecaaga agatgettee ateetttee eteettytee eteettytee gtaattya tacaccaat atgaacacaat atgaacaaga	tetectteat tgggeettae ttgttetegt teattegggg aatteatgag gtgetegtea tteggacaaa gtteceatat teatttgggt gacttgagaa catgaagtg gtgtactet aatttacaeg tetteaggt	ccacctcga tttcaatggt gatcgccact cacattctgc ttgtaaccag cacatcatt cacctcatg caaaatcttg caaaatcttg caaagctaaa aactttttgc ttcggaatctg tccgatagat cttcccctct tgttcttcat gttctctcat	3660 3720 3780 3840 3960 4020 4080 4140 4200 4260 4320 4320 4440 4500
ggtgtcgttg gttccaccaa cttatagatt cacagctatg tagaccatc gtcagcttc gcagtttc caaatagata gctgtttgct gtatgtgaa ttgctctagc catgttgtag ctctatctgt gtcatcaact gccatgtat gcagtattgaa gtcatcaact gccatgtat gggatctggg gtatcaaca	etyteaetige tteagataea actttattge gattatgttae ggatcatgtt tttgtaagga ttttettec etggggagag aggttgteca aacatettea attecatage etgtegtaatta etgtagaage teagtagage teagtette etgtagaage teagtette	tgattgocagg tgogttettg tgoagtttga catatttcoc ctgctccaaa tggtttacc caacttgggct catcataagc agcaaacttt catcccaagc caggttttaa ctttaaaacc gctctattaa gatgatctgc ttttcactcg actottcatt	atcacactct aaaacactcc aaacatctta tccctggtcc attatgtccc ataattcttt ataataagcc atccttttct ctcttgtgga tgcattatcc gtaatttgta taccaccaat atgaacaagc atcactttt	tetectteat tgggeette tegttetegt teattegggg aatteatgag gtgetegtea ttggacaaa gtteccatat teagetatat teatttgggt gaettgagaa tettaagag tettaaegg tettaaegg tettaaggt aattaacag	ccacctcga tttcaatggg gatcgcact cacattctgc ttgtaaccag aaccactatt cacctccatg caaaatcttg caaaatcttg caaaagctaaa aactttttgc tcggaatctg tccgatagat cttcccctct tgttcttcat gttctctgta	3660 3720 3780 3840 3900 3960 4020 4080 4140 4260 4320 4380 4450 4560
ggtgtcgttg gttcccacaa cttatagatt cacagctatg tagaccatce gtcagcttce canatagata gctgttgct gtatgtgaa ttgctctagc catgttgtag ctctatctgt gtcatcagt gccatgtat gggatctggg tactaaccat aggatcaaa	etyteaetige tteagataea actttattge gattgtttae ggataeatyt ttigtaagga ttittettee etgggagage agstgtgeea aacatettea tgettiteae atteeatage etyteaatta etgtagaage teagetette ttaggagea teagetette ttaggagea etgtgagaage	bgatpocagg tgogttettg tgcagtttga catatttccc ctgctccaaa tggttttacc caactgggct caccataagc agcaaacttt catccaagc caggttttac cttttaaaacc gctctattaa gatgatctgc tttcactcg actottcatt tcttgattgattctgc ttttcactcg actottcatt	atcacactor aaaacactor aaaacactor aaaacactor aacatctta tocotygtor attatytor ataattortta tanataagcc taatocaaga agatgettor ctcttytyga tygattator gtaatttyta taccaccaattty atgaacaagc atcacatttt	teteetteat teggeettae teggeettae tegteetegg aatteatgag gtgetegtea tteggeacaa gtteecatat teaettagg gaettagaga actgaagtg gtgaettagaga actgaagtg gtgtaetea atteaecae teteaggtg aattaacae	ccacctoga thtcaatggt gatcgccact cacattctgc tagtaaccag aaccactatt cacatccatt cacatccatt caaagctaaa aactttttgc tccgatagat ctcccctcat gttcttcat gttcttcat gttcttcat tgttcttcat tcttttgtc	3660 3720 3780 3840 3900 3960 4020 4140 4200 4260 4380 4440 4560 4620
ggtgtcgttg gttcccacaa cttatagatt cacactagttg tagaccatcc gtcagcttcc canatagata gctgtttgct gtatgtgaa ttgctctagc catgttgtag ctctatctgt gtcatcacatg gcgatctgga gggatctggg tactaaccatg tactaaccct agactgcaaa	etyteaetige tteagataea actttattge gattattatge gattatgttae ggatcatgtt tttgtaagga tttteettee etyggagage aggttgcca aacatettea tgetttteae attecatage etyteaatta etgtagaage tetagotette tttgggagaec egtyaaacat tttgggagaacat	tgattgcagg tgcgttcttg tgcagtttga catatttcc ctgctccaaa tggttttacc caactgggc caacataagc agcaaacttt catcccaagc ttttaa ctttaaaacc tgctctatta gatgatctgc tttcactcg actcttcatt tcttgatatc tctgatatc tccaaagtg	atcacactot aaacacactot aaacacactot aaacacactot atcactytcoc attatytcoc attattott attatccaga agatgcttoc atcatttot tctttytga tgcattatcg gtaatttgta atcacacaat atgaacaagc atcacatttt ttcagattta ttcagattta tctctagttta	tetecticat tgggeettae ttgttetegg teatteggg aatteatgag gtgetegtea tttggacaaa gtteceatat teatttgggt gactttagaga eatgaagtgt gtgtgtaetet aatttaeacg tetteaggtg aaattaacac taaataacac taaataacac taaataacac taaataacac taattgggee	ccacctoga attcaatggt gategecact cacattctgc ttgtaaccag aaccactatt cacatcatg caaagctaaa aactttttgg tccgatagat tctecectet gttcttcat gttctctgt tcctttttgt tcctttttgt tcctttttgt	3660 3720 3780 3840 3900 3960 4080 4140 4200 4320 4380 4440 4560 4560 4620 4680
ggtgtcgttg gttcccacaa cttatagatt cacagctatg tagaccatce gtcagcttce canatagata gctgttgca gtatgtgaa ttgctctagc catgttgtag ctctatctgt gtcatcaact gccatgtat ggcatctagat tagatgcaaa tttggtatca atttggtatca ggattcgata ggattcgata	etyteaetige tteagataea actttattge gattgtttae ggatacatyt tttgtaagga ttttettee etgggagage agetgtgeea acactettea tgetttteae etgtgaatae etgtgagate etgtgagate etgtgagate etgtgagate tttgggagea tttgggagea tttggagaea ttaacaaate ataacaaate	bgatpocagg tgogttettg tgogttttga catatttccc ctgctccaaa tggttttacc caactgggct cacataagc agcaaactt catccaagc cagttttac ctttaaaacc gctctattaa gatgatetgc ttttcactcg actcttattat tctgatat tcttgattca	atcacactor aaaacactor aaaacactor aaaacatotta tocottygtoc ataattottt tataataagc tataatcaaga agatgettoc atccttttot ctcttytyga taccacatttt tacacacatttt ttcacatttt ttcacatttt ttcagattta ctctagtta atcacactttt ttcagattta ctctagtta	teteetteat teggeettae teggeettae tegteetegg aatteatgag gtgetegtea tteggeaaa ttegeaaaa tteaettagga gaettgagaa catgaagtg gtgtaette tatttagge tetteaggt tetteaggt tetteaggt taataacaa taataacaa tataacaa tataacaa tataacaa tataacaa	ccaccetoga thtcaatggt gategocact cacattetge tagtaaccag aaccactatg caactcatg caaagctaaa aactttttge teogataga etcocctcat gttettcat tgttettcat tacacttttgg tacacttttgg teotacttttgg teotacttttgg teotactgtgt catcetgtgt	3660 3720 3780 3840 3900 3960 4080 4140 4260 4320 4380 4560 4560 4560 4680 4740
ggtgtcgttg gttcccacaa cttatagatt cacagctatg tagaccatce gtcagcttce canatagata gctgttgca gtatgtgaa ttgctctagc catgttgtag ctctatctgt gtcatcaact gccatgtat ggcatctagat tagatgcaaa tttggtatca atttggtatca ggattcgata ggattcgata	etyteaetige tteagataea actttattge gattgtttae ggatacatyt tttgtaagga ttttettee etgggagage agetgtgeea acactettea tgetttteae etgtgaatae etgtgagate etgtgagate etgtgagate etgtgagate tttgggagea tttgggagea tttggagaea ttaacaaate ataacaaate	bgatpocagg tgogttettg tgogttttga catatttccc ctgctccaaa tggttttacc caactgggct cacataagc agcaaactt catccaagc cagttttac ctttaaaacc gctctattaa gatgatetgc ttttcactcg actcttattat tctgatat tcttgattca	atcacactor aaaacactor aaaacactor aaaacatotta tocottygtoc ataattottt tataataagc tataatcaaga agatgettoc atccttttot ctcttytyga taccacatttt tacacacatttt ttcacatttt ttcacatttt ttcagattta ctctagtta atcacactttt ttcagattta ctctagtta	teteetteat teggeettae teggeettae tegteetegg aatteatgag gtgetegtea tteggeaaa ttegeaaaa tteaettagga gaettgagaa catgaagtg gtgtaette tatttagge tetteaggtg tetteaggtg aataacaac tataacaa tataacaac tataacaac tataacaac tataagag	ccaccetoga thtcaatggt gategocact cacattetge tagtaaccag aaccactatg caactcatg caaagctaaa aactttttge teogataga ettoccetcat gttetteat tgttetteat tetettgte catcacttttgg tetetttgte catcattttgg	3660 3720 3780 3840 3900 3960 4080 4140 4260 4320 4380 4560 4560 4560 4680 4740
ggtgtcgttg gttcccacaa cttatagatt cacagctagttg tagaccatc caastagata gctgtttgct gtatgaaa ttgctctagc catgttgtag tcatactgtag catgttgtag tcatactgt gtcatcaact gccatgtag tactaact gccatgtag tactaaccat tggatctgag tactaaccat agactgcaaa tttggtatc agactgcaaa agattgcaac	etgteaetige steagataca actttattge gattgttac ggattacatga ggatcatgt tttgtaagga ttttettee etgggagage aggtgtgeea acatettea tgettteae etgteaatta etgteaatta etgtagaage teagetette tttgggagac etgtagaage teagetette ttaacaaacateat ecagtgaaga	gattgocagg tgogttettg tgoagtttga catatttec ctgctocaaa tggttttacc caactgggc caacataagc agcaaactt catcccaagc ctttaaaacc ttttaaaacc ttttaaaacc ttttaatact actttaatct actcttatta tcttgatatt tcttgatatt tccaaagtg catctcttat agtcgtcacact tccaaagtg catctctcta	atcacactot aaacactoc aaacactoc aaacactoc aaacactot tacctocyte tatatytccc atatatectt tataataagcc taatccaaga agatgcttcc atccttttct tctcttytgg tgcattatcc gtaatttyta taccaccaagc atgaacactttt ttcagattta ttcgattta ttcgattta ttctttttt ttcgatttg tgggctagt ttttaagt ttttaagt ttttaagt	teteceteat tgggeettae ttgtteteggt teatteggg aatteatgag gtgetegtea tttggacaaa gtteceatat teatttgggt teagetatat teatttgggt gacttgagaa catgaagtgt stttacaeg tetecaeg aattacae teatacae teatacae teatacae aattacae tatacgee tatacgeett tacteggett aattacae	ccaccetoga attcaatggt gategocact cacattotyc ttgtaaccag aaccactatt cacatcatg caaaactata caaaactata caaagctaaa aactttttgg tccgaatagat cttcccctct tgttcttcat gttcttcatg acactttttgg tcctttttgtc catcgtgtt caggetacc catcgtgtt caggetacc catcgtgtt caggetacc catttttgc	3660 3720 3780 3840 3900 3960 4020 4080 4140 4200 4320 4380 4450 4560 4650 4680 4680 4680 4680
ggtgtcgttg gttcccacaa cttatagatt cacagctatg tagascatce chaegettcc caaatagata gctgtttgtgaa ttgctctag catgttgtag ctctatctg gtcatcact gccatgttgtag tactaacct gggatctggg tactaaccat agactgaaa tttggtatca agatcgata aaccacgtgt aatcaacgtga aatccacaca	etgteactige tteagataca actttattge gattgtttac ggattatttac ggatactgtt tttgtaagga tttttettee etgggagage aggttgtea actttea atcettac etgtagaage etgteattacatage etgteagatta etgtagaage teagetette tttgggagea etgtgaacat ettacatage actteatagaage etgagaagea etgtgaacat etagaacat etagaacat etagaacat atcatagaagea	gatycagg tgcgttcttg tgcagtttga catatttccc ctgctccaaa tggttttacc caactgggct caccaggtttac catccaagc agcasactt catccaagc gctctattaa gatyatctgc tctaaaacc gatctattaa tcttaaatcg actottcatt tcttgatactcg actottcatt tcttgatatc tccaaagtgg catccttta agtoctgca actottcat agtoctgca actottgat agtoctgca aattttytga	atcacactot aaaacactoc aaaacatotta tocotygtoc ataatytoco ataatottt ataataagoc taatocttt ataataagoc tatoctttoc atcetttoc ctottgtyga tycattatoc gtaatttgta tacaccaat atgaacaago atcacatttt ctctatgttga ttcagattta ctctatgttga ttcagattta ctctatgttag ttcagattta atcacacttt ctctatgttag atcacacttt atcacatgt atcacacttt atcacatgt atcacacttt accttatgttag atttacagtg aaaacgttca aaaacgttca	tetecticat tgggoettae ttggtecttae teatteggga aatteatgag gtgetegtea tteattegget atteattegget teattegget acattaecae tettaecae gttecaetae teattaecae tettaecae teattaecae tattegget aaattaacae tattegget acctagagt tacteggttatetgagt tactegatae tacteggte tacttagagt tactegettatggatetgatgatgatgatgatgatgatgatgatgatgatgatgat	ccacctoga thtcaatggt gatogcact tacattctgc ttgtaaccag aaccactatt cacctcatg caaaatctg caaaatctgt caaaatctttgt caactctttgtcttatcactctctgttcttcat gttcttctcat gttctttgtcatcattttgtcatctttttgtcatcttgtttttaccatctttgttcatgtttttaccatgtgttttaccatctagtgttttaccatctagtgttttaccatctagtgttttaccatcagtgttttaccatcagtgttttaccatcagtgtata	3660 3720 3780 3840 3900 4020 4020 4140 4260 4380 4440 4500 4500 4660 4680 4740 4860
ggtgtcgttg gttcccacaa cttatagatt cacagctat cacagctat tagacttc caaatagata gotgtttgta gotgttgtag catgtgtaa ctctatctgt gtcagttgtag ctctatctgt gtcatcaac gctattacac tactacacac agattgcaa gattctgaa tactacacat tactacacac agattcaaa tattggtatca gattctgat aacacactga atccacaca ctttggtatca atccacacac tttaaaatgc tttaaaaatgc	etyteaetige gattyttae gattyttae gattyttae ggatcalytt tttytaagga tttttee edgygagage aggtytgeea aacatettea tttteatage etyteaatta etyteaatta etytagaage teagetette tttyggagea egtygaacat ttaacaaatea etaacateat ecagtgaaga acgacettga acgacettgaaga acgacettgaaga ecttteaaat	gattgcagg tgcgttcttg tgcagtttga catatttccc ctgctccaaa tggttttacc caactgggct catcataagc agcaaacttt catccaagc catttaaaac gctctattaa gatgatctgc ttttcactcg ttttcactcg catctctat tcttgatat tcttgatat tcttgatat tcttgatat tcatcttat agtcctgca aatttttgtga aatctctca	atcacactct aaaacaactca aaaacaactca aaaacaactca tcactggtcc attattgtccc attattgtccc taatcaaga agatgettcc atcattttct ctcttgtgga tgcattttct ctcttgtgga taccaccaat atgaacaagc atccactttt ttcagattta ctctatgtta gtgggctag ttttacagatt atgaacagtca atcaactttt ttcagattta ttcagatta atgaacagtca aaaacgttca tagtagtgta	tetecticat tgggecttae ttgttetegt teattegggeg aatteatgag gtgetegtea tteatgagt gattegatatteatgagt gacttgagatat teagtatattgagt acttgagatat teatttgggt gtgtactet aatttacaeg tetteagtg cattacagtg tgtgtactet tattacaeg teattagaga aataacaae aatatagae actacagagt tacteggett gtacttgattgtacttgtacttgtacttgtacttgtacttgtacttgtacttgtacttgatgtacttacagtgtgtacttacaegtgtacttgtacttacaegtgtacaeg	ccacctega thtcaatggt gatogcaact tagtogcaact tagtogcaact tagtogcaactagt caaaatcttg caaaagctaa aacttttgc toggaatcg toggaatcg totcatcg tectotgtc aacattttgg tecttttgg tecttttgg tecttttgg catoggaacca catogggataa catogggataa cagtttttgg tecttttgg tecttttgg tagggataga cagtttttac tagggataga tegggataga tegggataga tegggataga	3660 3720 3840 3940 3960 4020 4140 4260 4320 4380 44500 4560 4560 4620 4740 4880 4740 4880 4740 4880 4920
ggtgtcgttg gttcccacaa cttatagatt cacagctatg tagaacatce caaatagata getgttgtgaa ttgtgaaa ttgtgtaaa ttgtctag catgttgtgaa catcatctgt gtaatcaact gccatgttgtag tacatctgg tactaacct agaatctgg tactaaccc agattgata aaccacgtg tacaaacgtg tacaaacgtc ttaaaaatg ttgaatcaa tttgatata	etyteactige strongstaca actitatige gattyttac ggattattac ggatactyt titytaagga gygtcatyt tittetee etyggagage agytytgca actitea atcattea etytaagaage etyteaatta etytagaage teagettte tityggagea etyagaata etyagaacat taacaatac caytgaaacat etaagaate titaacaate etyagagea	gatyccagg tgcgttcttg tgcagtttga catatttccc ctgctccaaa tggttttacc caactgggc agcaaacttg catcacaatg caggttttac cttaaaacc ctttaaaacc ctttaaaacc sctctattaa gatytctgct actottcatt tcttgatatc tccaaagtgc actottcatt ctctgatatc tccaaagtgc actottcatt agtcctgca aattttgtg ctgaaaaagt attgtgctgct aatgctgctg atgctgctg atg	atcacactot aaaacactoc aaaacatotta tecctygtcc atattytccc atattytccc taatcagac agatycttcc atcettttcc atcettttcc atcettttcc atcettttcc atcettttcc atcettttcc atcatttcc atcatttcc atcatttcc atcatttcc atcatttcc atcatttcc atcaccact atcaccact atcaccattt atcacattt atcattatcc atcactttcc atcatttcc atcaccact attcacgttcc atcaccact atcaccac a	teteetteat tgggoettae ttggteettaetgg aatteatgag atteetgag attegacaaa tteggoeaaa gtteecatat teattgggt gacttgagaa catgaagtgt tetteaggt aattaacaa tatteggee taaattaaca tatteggee acctaagag tactegatg tactegatg tactegatg tactegatg tacteagag tactegatg tactegatg tacteagag tactegatg tactegatg tactegatg tactegatg tactegatg tacaatgg aaagaggaa	ccacctega thtcaatggt gategecactega cacattety cacattety cattlancag aaccatatt caccteaty canagetaa aacttety canagetaa aacttety tety canagetaa cattlety tety cattlancag tety cegatagat tettetety cacattety tety catched the cattlety catched the cattlety catched the cattlety catched the cattlety catched the catched the cattlety catched the catched t	3660 3780 3840 3900 4020 4020 4140 4200 4320 4440 4560 4680 4680 4800 4800 4800 4800 4800 48
ggtgtcgttg gttcccacaa cttatagatt cacagctatg tagaacatce caaatagata getgttgtgaa ttgtgaaa ttgtgtaaa ttgtctag catgttgtgaa catcatctgt gtaatcaact gccatgttgtag tacatctgg tactaacct agaatctgg tactaaccc agattgata aaccacgtg tacaaacgtg tacaaacgtc ttaaaaatg ttgaatcaa tttgatata	etyteaetige gattyttae gattyttae gattyttae ggatcalytt tttytaagga tttttee edgygagage aggtytgeea aacatettea tttteatage etyteaatta etyteaatta etytagaage teagetette tttyggagea egtygaacat ttaacaaatea etaacateat ecagtgaaga acgacettga acgacettgaaga acgacettgaaga ecttteaaat	gatyccagg tgcgttcttg tgcagtttga catatttccc ctgctccaaa tggttttacc caactgggc agcaaacttg catcacaatg caggttttac cttaaaacc ctttaaaacc ctttaaaacc sctctattaa gatytctgct actottcatt tcttgatatc tccaaagtgc actottcatt ctctgatatc tccaaagtgc actottcatt agtcctgca aattttgtg ctgaaaaagt attgtgctgct aatgctgctg atgctgctg atg	atcacactot aaaacactoc aaaacatotta tecctygtcc atattytccc atattytccc taatcagac agatycttcc atcettttcc atcettttcc atcettttcc atcettttcc atcettttcc atcettttcc atcatttcc atcatttcc atcatttcc atcatttcc atcatttcc atcatttcc atcaccact atcaccact atcaccattt atcacattt atcattatcc atcactttcc atcatttcc atcaccact attcacgttcc atcaccact atcaccac a	teteetteat tgggoettae ttggteettaetgg aatteatgag atteetgag attegacaaa tteggoeaaa gtteecatat teattgggt gacttgagaa catgaagtgt tetteaggt aattaacaa tatteggee taaattaaca tatteggee acctaagag tactegatg tactegatg tactegatg tactegatg tacteagag tactegatg tactegatg tacteagag tactegatg tactegatg tactegatg tactegatg tactegatg tacaatgg aaagaggaa	ccacctega thtcaatggt gategecactega cacattety cacattety cattlancag aaccatatt caccteaty canagetaa aacttety canagetaa aacttety tety canagetaa cattlety tety cattlancag tety cegatagat tettetety cacattety tety catched the cattlety catched the cattlety catched the cattlety catched the cattlety catched the catched the cattlety catched the catched t	3660 3780 3840 3900 4020 4020 4140 4200 4320 4440 4560 4680 4680 4800 4800 4800 4800 4800 48
ggtgtcgttg gttccacaa cttatagatt gattccacaa cttatagatt tagacatc cacagctag tagaccatcc caaatagata ttgcttagc gttgtgtag catgttgtag ctctatctgt gtcatcagc tactacact tactaacct agactgcaaa tttggtata ggatctgcaa tattggtata gattctgat tactacacct agactgcaaa atttggtatca gattctgat tttgataca gattctgat ttcacacacc ttttgatacacacac tttagatcacacacac tttagaaccacacac tttagaaccacacac tttagaaccacacac tttagaaccacacac tttagaaccacacac tttagaaccacacac ttgagaccaa	etyteaetige ttoagataca actttattga gattgattacatga gattacatga ggatcatgtt tttgtaagga tttttettee etggggagaga etgettteae atgettteae atgettteae atgettteae atgettteae atgettteae atgettteae atgetae etggagagag etggagagae etggagagae etggagaae etttggagaga etgagaae ettagagaa ecgacettga acgagaae ettteaaaa ettettaaaa ettettaaaa ettettaaaa ettettaaaa ettettaaaa ettettaaaage ettettaaag	gattgcagg tgcgttcttg tgcagtttga catatttccc ctgctccaaa tggttttacc caactgggct catactaggc catttaaagc agcaaacttt catccaagc catttaaaac gctctattaa gatgatctgc tttcactcg actctattat ccttgatat tcttgatat tcctagtt tccaagtg catctcttat agtcctgca aattttgtga aatctcttat agtcctgca aattttgcgca aattttgcgca aattttgcgca aattttgtga aatggagtg tctgagagtc	atcacactor aaaacactor aaaacactor aaaacactor aaacactor tecctygter atattytece atattytece atattytete aaataagce atcattttor ctcttytyga atcatttyta tacaccaar atgaattyaa tacaacaar atgaaacaage atcatttt ttcagattta gtgggctag ttttacag ttgaaaag ttca tag tagtgtg gaaattag tag tagtggggggg tag gggggggg	tetecticat tgggecttae ttgttetegt teattegggeg aatteatgag gtgetegtea tteattgggeaaa tteattgggt gacttgagatat teagttagatat teatttgggt gattgaetat teatttgggt gtgtaetet aattacaeg tetteagtg taattacaeg tetteagtggeeaatataecae aactaaeat tactggeeaactaeattggeaagaggaaaagagaggaaaeggaagaggageeggaggeegg	ccacctega thtcaatgf gatogcact translated cacattctgc tightaaccag aaccatatt cacctcattg caaagctaa aacttttg caaagctaa acttttgc tropatagat cttocctct tgttcttcat gttctttgt tacactttgg tecttttgt caggataca caccttttgg tecttttgt cattggatacaccegtttttact tacacttttgg tacaccttttgg tecttttact cattggatcacccegtttttacctcatgatacacattggatacaccegtttttacctatgatactcagagtataa tragaagtatg tacactagtagtacaccaggatacaccaggatacaccaggatacaccaggatacaccaggatacaccaggatacaccaggatacaccaggatacaccaggatacaccaggatacaccaggatacaccaggatacaccaggatacaccaggatacaccaggatacaccaggatacaccaggatacaccaggatacaccaggatacaccagagatacaccagagatacaccagagatacaccagagatacaccagagatacaccagagatacaccagagatacaccagagatacaccagagatacaccagagatacaccagagatacaccagagacaccacacaca	3660 3780 3780 3840 3960 4020 4080 4140 4260 4320 4340 4560 4560 4560 4680 4740 4860 4980 4980
ggtgtcgttg gttcccacaa cttatagatt cacacctat cacactat tagatt tagaccatc gtcagcttc caaatagata ttgctctagc gtattgtgaa ttgctctagc catgttgtga ttgccatagtgaa ttgccatagtgaa ttgccatagtgaa ttgccatagtgaa ttggtatca gactgcaa atttggtatca gattctgat aacacgtgt aacacacct ttaaaatgc ttgagacaa atgagacaa atgagacaa aggtcggg	etyteaetige steament of the same state of the sa	tgatyccagg tgcgttcttg tgcagtttga catatttccc ctgctccaaa tggttttacc caacttgggct caacataagc agcaaacttc catttaaaca catttaaaca gatttaac cattcaaca catttaaaca gatgatctga ctttaaaca gatgatctga ctttaactcg actottcat tctgatctgc ctcaaagtgg catctcttat agtcctgca acttttaactcg catgatctgc ctcaaagtgg catctcttat agtcctgca tctgaaaaagt ctggaacagt ctcygagtct ctcygagtct caggaacaca	atcacactot aaaacactoc aaaacactoc aaaacactoc aaacatotta tocctggtc ataattottt ataataagco tocattatytcoc atcattttic ctotttgtgga agatygettoc focattatocaga agatygettoc atcattttic ctotttgtgga atcacactat atgaacacaa atgaacacaa atgaacacaa ttocacttttic ctotatyttga atgaacaca atgaacaca atgaacaca atgaacaca ttocactttti ctotatytta ct	tetecetteat teggecttae tegttetegt teattegggg aatteatgag gtgetegtea teagtegtea teagtatat teagtatat teagttagaaaa catgaagtgt aattaaccag tettaagga aattaaccae tettaaggt aattaaccae tettaaggt t	ccaccetegs sttcaatggt gategocact cacattetgc ttgtaaccag aaccactatt cacatcatt cacatatt cacatatt cacatatt cacatatt cacatatt cacatatt cacatatt cacataga ttgaaga ttgaaga ttgaaga ttgtctctgt acacattt ggtcatcag ttcttttgc cacattttgg ttcttttgt cacattttgg ttcttttgt cacattttgg ttcttttgt cacattttgg ttcttttgt cacattttgg ttcttttgt caggtcacc cgtttttacc cgtttttacc ggtcatcag ggtcatcgg actgctcat acggc ggtcatcgg ggtcatcgg actgcctcat acggc ggtcatcgg actgcctcat acggc ggtcatcgg actgcctcat acggc acggc ggtcatcgg actgcctcat acggc acgg acggc acgg acggc acgg acggc acgg a	3660 3780 3780 3840 3960 4020 4080 4140 4260 4380 44440 4560 4620 4620 4680 4680 4740 4800 4800 4920 4980 5040 5040
ggtgtcgttg gttcccacaa cttatagatt cacagctatg tagaacatcc ttagatt tagaact cacagctatg tagaacatcc gtatgtgaa ttgctctagc catgttgtag ctctatctgt gtcatcaact gccatgtag tacacact gggatctggg tactaacct agactgcaaa tttggatcaa tttggatcaa tttggatcaa tttggatcaa tttggatcaa tttggatcaa agatccacac ttagacgcaa atccaccac ttagacgcaa atccaccac ttagaacgcaa atccaccac ttagaacgcaa atccaccac ttagaacgcaa atccaccac ttagaacgcaa aggtccacaa	etgteaetige ttoagataca actttattge gattgttac ggattgttac ggattgttac ggattacatga ggatcatgt tttgtaagga tttttcttcc ctgggagage actettca acatettca attccatagc ctgtcaatgt ttagacatgt tttgaagga acttgcaatgc tcagtagatagc ctagtagatagc ctagtagatagc tcagtagatagc acgtgaaacat ttaacaacat acaacatcatca acacatcaga acgaccttga acgttttcaaag ttttctaaag ttttctaaag ttcttacaag tcttctaaag cgcacaga gcacacaga ccgcacacaga ccgcacacaga	tgatyccagg tgcgttcttg tgcagtttga catatttcc ctgctccaaa tggttttacc caacctggag cagganactt catccaagc caggttttaa ctttaaaacc gttttaact ttttaaacc sptttattaa gatyatctg actottcatt tcttgatct catcctctat actottcatt ccaagttg catcctctat catccaagtg catcctctat catccaagtg catcctctaa aattttgtga aatgatctg aatcctctaa aattttgtga aatgagaacac ctgaaaaagt aatgctgctg aaggaacac caccacctc	atcacactct aaaacactca aaaacactca aaaacactca aaacactcta tecctygtcc ataattcttc ataatcacacacacactctta tecctytyga tgcattatcc gtaatttyta taccaccaat ttcagagagattcacactcttct ttcagatttgca ttcagatttac ttcagatttagatcacactct ttcagatttagatcacactct ttcagatttagatcacactct ttcagatttagatcacactct ttcagatttagatcacactct ttcagatttagatcacacactct ttcagatttagatcagagacgagac	tetecetteat teggecttae tegttetegt teattegggg aatteetgegg agtgetgeteat teagggaat teaggaagat teageataat teatteggge acttgagaa catgaagtgt tetteaggt aattaccae tetteaggt aaataaccae tetteagggt aaataaccae teaactaaca teacatgagt teaactaaca teacatgagt teaactagagt teaactagagt teaactagagt teaactagagt teaactagagagaa aaggagaa aaggagaa aaggagaa aaggagaa teggaggeeg aataggageeg aataggageeg ataggageeg tegectgae	ccaccetegs sttecastygt gategocact cacattetge ttgtaaccag aaccactatt canastcttg canastcttg canastcttg canastcttg ctgtaaccag tctgcastctg tccgatagat tcttccctct gttettcat catctttgt cacacttttgt catcggtataa cattttgt catcggtataa tcttgtccacc tcaggtataa tcttgtccacc tcaggtataa tcaggtataa tcaggtataa tcaggtataa tcaggtataa tcaggtataa tcaggtataa tcaggtataa tcagactaccag actgcatccac gggatttcacc ggcatccac gggatttcac	3660 3780 3780 39400 3960 4080 41400 4260 4260 4560 4560 4680 4740 4860 4860 4860 4860 4860 5040 5040 5040 5040
ggtgtcgttg gttcccacaa cttatagatt cacaccatat gagaccatc gtcagcttc caaaatagata ttgctctagc gttgtgtgt gtagtgtag catgttgtag catgttgtag catgttgtag taccaccat ttgcccatgtat agcaccatca agactgcaaa tttggtatca agattcgat aaccacgtt aaccacct ttaaaatgc ttgagacaaa tttggtatca agattcgag gattctgag gattcgag atcacacc tttaaaatgc ttgagacaaa ttgggacaaa aggtcgggg gtccagacaagac ttgagacaaa aggtcgcgg gtccagac gtccagac aggtcgggg agacaaa aggtcgcggg aaaaatgct	etyteaetige steasyataaa actttattge gattgtttaa ggattaattja ggattagtttaa ggattaattja tttutaagga etyteaattja tttutaagga aasetetta tgetttaaetga etyteaatta tgettttaae tetytaatta tttgaagae tetytaaata etytagaaga etytaaaata ataaataa tttaaaaata tttetaaaa tttettaaaa tttettaaaa tttettaaaa tttettaaaa tttettaaaa tetttaaaaa tttettaaaa acttaaaaa tettaaaaa acttaaaaa acttaaaaa acataaaaa acataaaaa acataaaaa acataaaaa acataaaaaa acataaaaaa acataaaaaa acataaaaaa acataaaaaa acataaaaaa acataaaaaaa acataaaaaaa acataaaaaaaa	tgatpocagg tgcgttcttg tgcagtttga catatttccc ctgctccaaa tggttttacc caactgggct caacataagc agcaaacttc catttaaacc ggttttac catttaatc gatttacc catttaaacc gatctattg catttact catccatac catctatta ctcaactc tctcaactc tctcaactc actccttat agtccttcat agtccttcat cccaaactgg catctttac cccaactc tccaacctc taggaggaa	atcacactct aaaacactcc aaaacactcc aaaacactcc aaaacatcta tccctgftcc attatgfccc attattcttt ataataagcc tcatttttccttttgtgga agattgettcc stctttgtgga ttgattcattttcctttttttccatttttccattttccattttccattttccattttccattttcattttcattttacttttcattttacatttcattttacatttacattacattacatttacatttacatttacatttacatttacatttacatttacatttacatttacatttacattacattacatttacatt	tetecticat tgggoettae ttgttetegt teattegggg aatteatgag gtgetegtea tteggacaaa gtteceatat teagttagacaaa catgaagtgt gacttgagaa catgaagtgt gacttgagaa tattaggee aattaacoac tataacoac tattegget tacteggtt tactegctt tactegctt tactegct tact	ccacctegs thtcaabggt gatogcact cacattctgc ttgtaaccag aaccactatt cacctcatt cacatatt cacatatt cacatatt cacatatt cacatatt cacataga tcggaatctg tcggaatctg tcggtaaga tcggttettcat gttctctgtc cacattttgc cacattttgc cacattttgg tcctttatt cacttttgt tcattcat tcaggtcacc cgtttttacc cgtttttacc ggtaatcagg tacggaatctg taggtcacc ggttttacc ggtaatcagg gggattcgg ggcatcacgg gggattcgg ggcatcacgg gggattcgg ggtaacgg actgcctcat ggggtttcgg actgctcat ggggtttcgg atcctttt	3660 3780 3780 3840 3960 4080 4120 4260 4260 4420 4450 4450 4650 4740 4860 4740 4880 4920 4980 50100 50100 50100 50100 50100
ggtgtcgttg gttcccacaa cttatagatt cacaccatat gagaccatc gtcagcttc caaaatagata ttgctctagc gttgtgtgt gtagtgtag catgttgtag catgttgtag catgttgtag taccaccat ttgcccatgtat agcaccatca agactgcaaa tttggtatca agattcgat aaccacgtt aaccacct ttaaaatgc ttgagacaaa tttggtatca agattcgag gattctgag gattcgag atcacacc tttaaaatgc ttgagacaaa ttgggacaaa aggtcgggg gtccagacaagac ttgagacaaa aggtcgcgg gtccagac gtccagac aggtcgggg agacaaa aggtcgcggg aaaaatgct	etgteaetige ttoagataca actttattge gattgttac ggattgttac ggattgttac ggattacatga ggatcatgt tttgtaagga tttttcttcc ctgggagage actettca acatettca attccatagc ctgtcaatgt ttagacatgt tttgaagga acttgcaatgc tcagtagatagc ctagtagatagc ctagtagatagc tcagtagatagc acgtgaaacat ttaacaacat acaacatcatca acacatcaga acgaccttga acgttttcaaag ttttctaaag ttttctaaag ttcttacaag tcttctaaag cgcacaga gcacacaga ccgcacacaga ccgcacacaga	tgatpocagg tgcgttcttg tgcagtttga catatttccc ctgctccaaa tggttttacc caactgggct caacataagc agcaaacttc catttaaacc ggttttac catttaatc gatttacc catttaaacc gatctattg catttact catccatac catctatta ctcaactc tctcaactc tctcaactc actccttat agtccttcat agtccttcat cccaaactgg catctttac cccaactc tccaacctc taggaggaa	atcacactct aaaacactcc aaaacactcc aaaacactcc aaaacatcta tccctgftcc attatgfccc attattcttt ataataagcc tcatttttccttttgtgga agattgettcc stctttgtgga ttgattcattttcctttttttccatttttccattttccattttccattttccattttccattttcattttcattttacttttcattttacatttcattttacatttacattacattacatttacatttacatttacatttacatttacatttacatttacatttacatttacatttacattacattacatttacatt	tetecticat tgggoettae ttgttetegt teattegggg aatteatgag gtgetegtea tteggacaaa gtteceatat teagttagacaaa catgaagtgt gacttgagaa catgaagtgt gacttgagaa tattaggee aattaacoac tataacoac tattegget tacteggtt tactegctt tactegctt tactegct tact	ccacctegs thtcaabggt gatogcact cacattctgc ttgtaaccag aaccactatt cacctcatt cacatatt cacatatt cacatatt cacatatt cacatatt cacataga tcggaatctg tcggaatctg tcggtaaga tcggttettcat gttctctgtc cacattttgc cacattttgc cacattttgg tcctttatt cacttttgt tcattcat tcaggtcacc cgtttttacc cgtttttacc ggtaatcagg tacggaatctg taggtcacc ggttttacc ggtaatcagg gggattcgg ggcatcacgg gggattcgg ggcatcacgg gggattcgg ggtaacgg actgcctcat ggggtttcgg actgctcat ggggtttcgg atcctttt	3660 3780 3780 3980 4020 4080 4080 41400 4260 4380 4560 4560 4680 4740 4860 4860 4980 5040 5010 5010 5010 5010 5010 5010 501
ggtgtcgttg gttcccacaa cttatagatt tagaacatca gtcaagattca gtcaagattca ctgtttgat gtatgtgaa ttgttgaa ttgttgaa ttgttgaa ttgttatgtgaa ttgttatgtgaa ttgttatgtgaa ttgttatactg gccatgtat ggaatctggg tactaacct agaatgtaaa ttggtatca agattcgat aacaagtgta aacaagtgta aacaagtgta aacaagtgta aacaagtgta aacaagtgta aacaagtgta aacaagtgta aacaagtgta ttgagatcaa aggtcgaga tttaaacca ttgagatca aagatcgaga aaaatgcta caaaatgcta caaaatgcta caaaatgcta caccccoggg	etyteaetige steasyataaa actttattge gattgtttaa ggattaattja ggattagtttaa ggattaattja tttutaagga etyteaattja tttutaagga aasetetta tgetttaaetga etyteaatta tgettttaae tetytaatta tttgaagae tetytaaata etytagaaga etytaaaata ataaataa tttaaaaata tttetaaaa tttettaaaa tttettaaaa tttettaaaa tttettaaaa tttettaaaa tetttaaaaa tttettaaaa acttaaaaa tettaaaaa acttaaaaa acttaaaaa acataaaaa acataaaaa acataaaaa acataaaaa acataaaaaa acataaaaaa acataaaaaa acataaaaaa acataaaaaa acataaaaaa acataaaaaaa acataaaaaaa acataaaaaaaa	tgatyccagg tgcgttcttg tgcagtttga catatttccc ctgctccaaa tggtttaac caacttgggc cagctttaac cagctttaac ctttaaaacc ttttaaaacc ttttaactcg actcttaataa gatyatctgc actcttcatt tcttgatctcg actcttcatt tcttgatctcg catcttcatt tctgatatc tccaaagtgg catctctta tagtcgaga tctgagaacac tccaccc taggaacacac tcaggaacacac tcaggaacgagat tggaaagggagttc	atcacactct aaaacactcc aaaacactcc aaaacactcc aaaacatcta tccctgftcc attatgfccc attattcttt ataataagcc tcatttttccttttgtgga agattgettcc stctttgtgga ttgattcattttcctttttttccatttttccattttccattttccattttccattttccattttcattttcattttacttttcattttacatttcattttacatttacattacattacatttacatttacatttacatttacatttacatttacatttacatttacatttacatttacattacattacatttacatt	tetecticat tgggoettae ttgttetegt teattegggg aatteatgag gtgetegtea tteggacaaa gtteceatat teagttagacaaa catgaagtgt gacttgagaa catgaagtgt gacttgagaa tattaggee aattaacoac tataacoac tattegget tacteggtt tactegctt tactegctt tactegct tact	ccacctegs thtcaabggt gatogcact cacattctgc ttgtaaccag aaccactatt cacctcatt cacatatt cacatatt cacatatt cacatatt cacatatt cacataga tcggaatctg tcggaatctg tcggtaaga tcggttettcat gttctctgtc cacattttgc cacattttgc cacattttgg tcctttatt cacttttgt tcattcat tcaggtcacc cgtttttacc cgtttttacc ggtaatcagg tacggaatctg taggtcacc ggttttacc ggtaatcagg gggattcgg ggcatcacgg gggattcgg ggcatcacgg gggattcgg ggtaacgg actgcctcat ggggtttcgg actgctcat ggggtttcgg atcctttt	3660 3780 3780 3840 3960 4080 4120 4260 4260 4420 4450 4450 4650 4740 4860 4740 4880 4920 4980 50100 50100 50100 50100 50100

<210> 125

<211> 2805

```
<212> DNA
  <213> Homo sapiens
  <221> misc feature
  <223> Incyte ID No: 255772.2
  gagcattggt aagcgtcaca ctgccaaagt gagagetget ggagaactca taatcccagg 60
  aacgeetett etacteteeg agtaceecag tgaccagagt gagagaaget etgaacgagg 120
 gcacgegget tgaaggactg tgggcagatg tgaccaagag cetgcattaa gttgtacaat 180
ggtagatgga gtgatgatte tteetgtget tateatgatt geteteceet eeeetagtat 240
 ggaagatgag aagcccaagg tcaaccccaa actctacatg tgtgtgtgtg aaggtctctc 300
ctgcggtaat gaggaccact gtgaaggcca gcagtgcttt tcctcactga gcatcaacga 360
  tggcttccac gtctaccaga aaggctgctt ccaggtttat gagcagggaa agatgacctg 420
taagaccccg ccgtcccctg gccaagccgt ggagtgctgc caaggggact ggtgtaacag 480
  gaacatcacg gcccagctgc ccactaaagg aaaatccttc cctggaacac agaatttcca 540
  cttggaggtt ggcctcatta ttctctctgt agtgttcgca gtatgtcttt tagcctgcct 600
 gotgggagtt gototoogaa aatttaaaag gogoaacoaa gaacgootoa atocoogaga 660
ogtggagtat ggootatoog aaggotoat occacoacaat yttggagaca goactttago 720
agatttattg gatoattogt gtacatcagg aagtggotot ggtottoott ttotggtaca 780
  aagaacagtg getegeeaga ttacactgtt ggagtgtgte gggaaaggea ggtatggtga 840
 gytytygagg gycayctyge aagggygaaa tyttyccyty aggatusgu 900 tyagaagtea tygtteagyg aaacygaatt tyacaacact ytyatyctyg gycatyaaa 900 tatchayt theattyctt cagacatyae alcagaact cagacactace acytytytt 1020
  aattacacat tatcatgaaa tgggatcgtt gtacgactat cttcagctta ctactctgga 1080
tacagitage igecticgaa tagigetgie catagetagi ggietigeae attigeaeat 1140
  agagatattt gggacccaag ggaaaccagc cattgcccat cgagatttaa agagcaaaaa 1200
 ayaktegtt agaaqaat gaaadcag catgoqoat taggottaa agagcakaa 1200
tatocagaa occaatoas tyaatgty catagoaat tyggotogo gattaa caagogota 1320
thocagoaco caagtotag atgaacoat caagogat tytytgga caagogota 1320
catggococ gaagtotag atgaaacoat caagogat tytytogat cataaaag 1380
  ggtegatatt tgggcctttg gacttgtttt gtgggaagtg gccaggcgga tggtgagcaa 1440
  tggtatagtg gaggattaca agccaccgtt ctacgatgtg gttcccaatg acccaagttt 1500
  tgaagatatg aggaaggtag tctgtgtgga tcaacaaagg ccaaacatac ccaacagatg 1560
 gttetcagac cogacattaa cotototogo caagotaatg aaagaatgot ggtatcaaaa 1620
tocatoogoa agactocacg cactgogtat caaaaagact ttgaccaaa ttgataatte 1680
ootogacaaa ttgaaaactg actgttegaca tttetatagt gtcaagaagg aagattgac 1740
  gttgttgtca ttgtccagct gggacctaat gctggcctga ctggttgtca gaatggaatc 1800
 catelyficto cotococana iggotyctti gacaaaggeag acyteataco cagocalyty 1860
tigggagaga atcaaaaca coctaacoto gotogatyac tytyaaciyg gcatiticacy 1920
aactyticac aciycayaga ctaatytig acayacaciy itycaacagy aygaciyga 1920
  ggaacacaga gaaatcctaa aagagatctg ggcattaagt cagtggcttt gcatagcttt 2040
  cacaagtete etagacacte eccaegggaa acteaaggag gtggtgaatt tttaateage 2100
 aatattgoot gtgottotet tetttattgo actaggaatt etttgoatte ettaettgoa 2160 etgttaetet taattttaaa gacceaactt gecaaaatgt tggetgegta etecaetggt 2220
 actiticaaa ttatttatta cttotocact tagtagtttt tacaaaactg ctttotocat 2400
 acttizaga taattitata tiygictitat gattitatta cagaaatgit titaacata
Aafgitaaaga tiattitata figgictitat gattitatta cagaaatgit titaacacta 2460
tactotaaaa tiggacattit ettitattat cagitaaaat cacatittaa gigotteaca 2520
titgiatgig tgiagacigt aactititit cagiteata geagaacgta titagecati 2580
acccacgiga caccaccgaa tatattacig attiagaago aaagattica giagaatitt 2640
  agtoctgaac gctacgggga aaatgcattt tottcagaat tatccattac gtgcatttaa 2700
  actotgocag aaaaaaataa otattttgtt ttaatotact ttttgtattt agtagttatt 2760
  <210> 126
 <211> 2835
  <212> DNA
 <213> Homo sapiens
 <221> misc_feature
  <223> Incyte ID No: 232066.3
 <400> 126
```

cacctatyca gratetograg gratetograg gratetograg gratetograg gratetograg gratetograg gratetograf gragaggraf coaccago grategraf gracetograf gracetograf grategr)	cccagagaga tegtotytt ttgccaatgy aagatccaat tectyccage tycaagaaa gaggagatgy gaggtotyc ttcttegty aagatcacat teggagagty gcattotyc ctgggagty gcattotyc ctgggagty gcattotyc ttgggagty gcattotyc ttggtytca tcatgcca gagtttgac ccatctty gatgttacat tcatgcca gagtttgac ccatctty gatgttacat fcaacatty gaggttgac caggagage gcaattyga ccatgytca caggretoc ggattgagg gaattggag tcaacgtg acatggg gcattggat ccagtgt accatggg gattgagg gattgagg ggatgatgat gagatgagat	angtotyact coctystyset typicatyca agracecyst agaceacty typicatyca agacecysty agaceactystystyset coctystyset coctystystyset coctystystyset coctystystyset coctystystystyset coctystystystyset coctystystystystystystystystystystystystyst	tycoccase tyctectaca petgeteggte tycocaegga etgecaggaa etgecaggaa etgecaggaa etgecaggaa etgecaggaa etgecaggaa etgecaggaa etgecaggaa etgecaggaa etgetagetaggaa etgetagetaggaa etgetaggaa etgetaggaa etgetgetgetgetgetgetgecaggaa etgetgetgetgetgetgecaggaa etgetgetgetgetgetgecaggaa etgetgetgetgetgetgecaggaa etgetgetgetgetgetgecaggaa etgetgetgetgetgecaggaa etgetgetgetgetgecaggaa etgetgetgetgetgecaggaa etgetgetgetgetgecaggaa etgetgetgetgetgecaggaa etgetgetgetgecaggaa etgetgetgetgetgecaggaa etgetgetgetgetgecaggaa etgetgetgetgetgetgetgecaggaa etgetgetgetgetgetgetgetgetgetgetgetgetge	ccagtgagtg ctagggttg ctagagcagg ctaggagtactggagtactggagagagg gaggaggagg gaggaggagg gaggagga	120 240 480 420 480 480 480 480 480 480 480 480 480 48
<213> Homo <220> <221> miso <223> Incv		46504.1				
<400> 127						
caggettgtg ggacagttgg gettgteee aggggggagt gaagattee ggageteae caggaeteal	y tagatcatgo y ctgttaagtg c cgctgcgtga ggaagttccc acaagagtac t tttctcatat ccgacagcat gaaaaatttt	acactgatte gggggtgggg geeceggaga caegteagag tgeteaacag aggeteetea	teccegecee aagtgggtag geggegagge acageacete gtateatett cagaaagece	geetgaeeee tgaattegga ggeageeaea aacetggtte tateagaaag aegggateet	cgagaaggag tetacetggg gttgattatg agcagttcag tgaggagtce agcacggcgc	120 180 240 300 360 420

```
gacggagaaa.attctggagt ttctgctgct qteactteta tgtctqttcc aactcccatc 540
tateaqaeta qeaqeqqaea qtacattqce attqceccaa atqqaqeett acaqttqqca 600
aqtecaqqea cagatggagt acagggactt cagacattaa ccatgacaaa ttcaggcagt 660
acteageaag gtacaactat tetteagtat geacagacet etgatggaca geagataett 720
qtqcccaqca atcaqqtqqt cqtacaaact qcatcaqqaq atatqcaaac atatcaqatc 780
cgaactacac cttcagctac ttctctgcca caaactgtgg tgatgacatc tcctgtgact 840
ctcacctete agacaactaa gacagatgac ceccaattga aaagagaaat aaggitaatg 900
aaaaacagag aagetgeteg agaatgtege agaaagaaga aagaatatgt gaaatgeetg 960
gaaaaccgag ttgcagtcct ggaaaatcaa aataaaactc taatagaaga gttaaaaact 1020
ttgaaggatc tttattccaa taaaagtgtt tgattcctaa gaaagaaaat atttttgtgg 1080
acatgcataa aaattaaatg gatttoctag tggagtttta taaattaaaa ggtcaaaact 1140
gaagcttttt atttaggctt ttccaaatca aggataaata tottacgcac gatatotagt 1200
gacagaggag aaagtggaaa atgacctcaa ggaagctacg ggcacaactg gaagccttgt 1260
agaaattaaa catattcaag gagcaagaaa tgaactttca gcagtctaaa ttttctaaat 1320
aaccaatagt tgccaatcta aaatggcaga gaagatgaaa tttgataaac tgaatttttt 1380
ttaaaaatcc atttacccta caggtttgca tttgtttgct gaaatttacc tttttttagt 1440
tatatatatg tgtgtgtgtg tggtgtaatt tctgccaata aattctaaat tacaaaggta 1500
agagaaaacc tagtacatta ctaaaatatat aaagtatatg ttctgattat gtatacttgt 1560
tctagtgtca agtcttttta agtgggtttt taaaagtttg ttattggact tgaatggatt 1620
tttgagacta gqttaattat ttttgaggtc ttatcctaaa aggcatctaa ggtacatgaa 1680
tggagtatgg tgattttata acatttttta tcaqaatqqa aaaaqaactq tttaaaaqtt 1740
tgatacttit aaatagttgg tttttttgct tactctggta atgattttct acaaatacat 1800
aataaattgt ttttttgatt ctatattctg tatgoagttg aatatcoatt acttattctg 1860
ctgtgcttta atagaatgga atgtttacag gcccttaaaa tattatttt aaaaaacctt 1920
ctgaagatac ataccaaagt ttttccaaga agattttata atcaatttaa taatgtaagg 1980
tttatcagat tctataatag tatagttatt aaggcaattt tatgttagag actattitgt 2040
aatgtagtga gtggtacctt tataagaaaa gtgactgca atatattitt atagctgatc 2100
tttataaatt ctaatgttga gtttttaatg attattttaa atgtttatat agtttagtaa 2160
aatttgcatc tcaaagtatc atttttatat tatgggacgt tttcagattg gctaatattt 2220
gcattgtaaa ttttgtatgc agtttatcta aaattcaaaa atactgtcag tacaccagcg 2280
tttaacatct atattccaat ttgtatacag tttaaaattg tactgcaaaa ctattgtgtg 2340
ctcttacaca gtatgcatca tattgttgtc tgtgaaatta aaggacattt gatagtctac 2400
tagaatata
                                                                                      2409
<210> 128
<211> 1939
<212> DNA
<213> Homo sapiens
<221> misc_feature
<223> Incvte ID No: 986123.22
<220>
<221> unsure
<222> 41
<223> a, t, c, g, or other
<400> 128
aggggaccet ettteetaac ggggttataa aaacagegee nteggegggg tecagteete 60
tgccactote getecgaggt eccegegea gagacgeage egegetecea ceacceacae 120 ecacegege etyegthege etetiteteeg gagaceagte egegecacege especial 180 egecategea acceteegea gecatyties accagiteeg tyteetegte etectiacege 240
aggatgtteg geggeeeggg caeegegage eggeegaget ceageeggag etaegtgaet 300
acyticacco geacetaaag eetiggeage gegetiggee eageaceag eegeageete 360
taegeetegt eecegggegg egigtatgee aegegeteet etgeegteg eetgeeggag 420
agegtgeeeg gggtgegget eetgeaggae teggtggaet tetegetigg egaegeeate 480
aacacegagt teaagaacae eegeaceaae gagaaggtgg agetgeagga getgaatgae 540
egettegeca actacatega caaggtgege tteetggage ageagaataa gateetgetg 600
geographic agragetosa gggeosagge sagtoggge tgggggacet etacgaggag 660
gagatgeggg agetgegeeg geaggtggae cagetaacca acgacaaage cegegtegag 720
gtggagegeg acaacctgge egaggacate atgegeetee gggagaaatt geaggaggag 780
atgetteaga gagaggaage egaaaacace etgeaatett teagacagga tgttgacaat 840
gegtetetgg caegtettga eettgaacge aaagtggaat etttgcaaga agagattgce 900
tttttgaaga aactccacga agaggaaatc caggagctgc aggctcagat tcaggaacag 960
catgtccaaa tegatgtqga tqtttccaaq cetqacetca egqetqeeet qeqtqacqta 1020
egteageaat atgaaagtgt ggetgeeaag aacetgeagg aggeagaaga atggtacaaa 1080
```

```
tecaagtttg etgacetete tgaggetgee aaceggaaca atgacgeeet gegeeaggea 1140
aagcaggagt ccactgagta ccggagacag gtgcagtcc tcacctgtga agtggatgcc 1200 cttaaaggaa ccaatgagtc cctggaacgc cagatgcgtg aaatggaaga gaactttgcc 1260
gttgaagetg ctaactacca agacactatt ggeogeetge aggatgagat tcagaatatg 1320
aaggaggaaa tggctcgtca ccttcgtgaa taccaagacc tgctcaatgt taagatggcc 1380
cttgacattg agattgccac ctacaggaag ctgctggaag gcgaggagag caggatttct 1440
etgeetette caaactttte eteeetgaac etgagggaaa etaatetgga tteaeteeet 1500
ctggttgata cccactcaaa aaggacactt ctgattaaga cggttgaaac tagagatgga 1560
caggitatea acgamaette teagenteme gatgmeettg antammatt generacte 1620
agtgcagcaa tatattacca gcaagaataa aaaagaaatc catatcttaa agaaacagct 1680
ttcaagtgcc tttctgcagt ttttcaggag cgcaagatag atttggaata ggaataagct 1740
ctagtictta acaaccgaca ctcctacaag atttagaaaa aagtttacaa cataatctag 1800
tttacagaaa aatettgtge tagaataett tttaaaaggt attttgaata eeattaaaae 1860
tgettttttt tttecageaa gtatecaaee aaettggtte tgetteaata aatetttgga 1920
aaaactcaag aaaaaaaaa
<210> 129
<211> 5024
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 898945.14
<221> unsure
<222> 2112-2457
<223> a, t, c, g, or other
gagacacaga aatcagtgtc actcagtgac agaagcaaca ataattgtga aaaatacttc 60
agoagttatg gactcatotg teattoaaag gaaaaaagta getgteatig gtggtggett 120
ggttggetea ttacaageat gettiettige aaagaggaat tecaagtig atgtatatga 180
agetagggaa gatactegag tggetaeett eacaegtgga agaageatta acttageeet 240
ttctcataga ggacgacaag ccttgaaagc tgttggcctg gaagatcaga ttgtatccca 300
aggtattece atgagageaa gaatgateea etetettea ggaaaaaagt etgeaattee 360
ctatgggaca aagteteagt atattettte tgtaagcaga gaaaatetaa acaaggatet 420
attgactget getgagaaat aceccaatgt gaaatgcae titaaccaca ggetgitgaa 480
atgtaateca gaggaaggaa tggteacagt gettggatet gacaaagtte ceaaagatgt 540
cacttgtgae etcattgtag gatgtgatgg agectattea actgteagat etcacetgat 600
gaagaaacet egettigatt acagtcagca gtacatteet catgggtaca tggagttgae 660
tattccacct aagaacggag attatgccat ggaacctaat tatctgcata tittggcctag 720
aaataccttt atgatgattg cacttectaa catgaacaaa tcattcacat gtactttgtt 780
catgocottt gaagagtttg aaaaacttct aaccagtaat gatgtggtag atttcttcca 840 gaaatacttt coggatgcca tooctctaat tggagagaaa ctoctagtgc aagatttctt 900
cetqttqcct gcccagccca tgatatetqt aaagtgctct tcatttcact ttaaatctca 960
ctgtgtactg ctgggagatg cageteatge tatagtgeeg ttttttggge aaggaatgaa 1020
tgegggettt gaagactget tggtatttga tgagttaatg gataaattca gtaacgacet 1080
tagtttgtgt cttcctgtgt tctcaagatt gagaatccca gatgatcacg cgatttcaga 1140
cctatocatg tacaattaca tagagatgcg agoacatgtc aactcaagct ggttcatttt 1200
taagaagaac atggagagaat ttottcatgc gattatgcca togaccttta tocctctota 1280
tacaatggtc acttittcca gaataagata ccatgaggct gtgcagcgtt ggcattggca 123
aaaaaaggtg ataaacaaag gactottttt ottgggatca otgatagcca toagcagtac 1380
ctacctactt atacactaca tgtcaccacg atctttcctc cgcttgagaa gaccatggaa 1440
etggataget cactteegga atacaacatg ttteecegca aaggeegtgg acteectaga 1500
acaaatttcc aatctcatta gcaggtgata gaaaggtttt gtggtagcaa atgcatgatt 1560
tctctgtgac caaaattaag catgaaaaaa atgtttccat tgccatattt gattcactag 1620
tggaagatag tgttctgctt ataattaaac tgaatgtaga gtatctctgt atgttaattg 1680
caattactgg ttggggggtg cattttaaaa gatgaaacat gcagcttccc tacattacac 1740
acactcaggt tgagtcattc taactataaa agtgcaatga ctaagatcct tcacttctct 1800
gaaagtaagg ccctagatgc ctcagggaag acagtaatca tgccttttct ttaaaagaca 1860
caataggact cgcaacagca ttgactcaac acctaggact aaaaatcaca acttaactag 1920
catgitaact gcactitica tiacgigaat ggaactiace taaccacagg gctcagacti 1980
actagataaa accagaaatg gaaataagga attcagggga gttccagaga cttacaaaat 2040
gaactcattt tattiteeca cetteaaata taagtattat catetatetg tttategtet 2100
```

mnnnnnnnn nnnnnnnnnnnnnnnnnnnnnnnnnnnn	nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn	nnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnn aaaaggcta atgetacat agcattact teattatga tteattatga ttatatga ttatatga ttatagact aaacacaag ggagtttg gggcccta gttttgaact teattagact aaacacaag ggagtttg tecttgaa ggatttet actgaatag gtcttgaa gtccttgaa ggatttct actgaatag gtagttgt actgaatag gtattgta	nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn	nnmnnnnn nnnnnnnnnnnnnnnnnnnnnnnnnnnnn	nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn	2280 2440 2460 2520 2580 2700 2760 2880 3000 3120 33240 33240 33480 3480 3480 3360 3480 3360 3480 3360
ccaagagcat tagaaacggg ggcccactct tttggacca aaaatgatg tgacatcaca cctctggcac aggaaaaaa aggaaaatcaggttattccaattctc tcaattctct tcaattctct tcaattctct gttagtccac gacttttac gttgtacttgc aatcagtgg cttctccgtg tcacatggaag caatacatta	atgggcaate tattcagaga tatgttgca tagttgca tagttgca taggttgca taggagagag taggagagg taaggagtga taaggctga ataacgga attaacgga attaacgga attaacgga attaacgga tataacgga tataacgga tataacgga tataacgga tataacgga tataacgga tatagcatc taatttcag gaaaaaaa tcctggttac tagactgga tgggtgctg gggttgcttg tagatgttg	oggatttoct acttettatg tetteatte ggetgtegte tgaaagteae tetgeatte ggaggeaeag tattaagtag tettaagtag tettaagtag tettaagtag tetgaggeae tetgaggeae tegggeateta aaaaaeagat ttaattagg actatagoeag actatagoeag actatagoeag tectaaatag tectaaatag tetgaaectg	gctggaccac ctacaaagga aactgacagt ttttttcttt acttcagt aagctgcaaa aagttgcgcaa aagttgtttt ccaccaaga ccatttcaat gtacaactat ctaggtgaca aaggctcttc gaggacattt acagcactaa aagtttttct ggggcaacg ctgcaaggaatttt gggcaacg ctgcaagaatttc	aaggtetetgt aaaagtggaa cgaacttgga gattcatcac ggcctgtccc getggtaggt agggatettc ctaatctgga ttagcaggt gotttatgtc sccattgtaat taagagattt tectaatgtc ttttttctat tgtcatcaat tgcactgtc ccagatccctt cctaaagattc cagatcccat taaactctgt	tgatattaca tcoaatttaa ttacatcaac tggtgatgat catcittcag catcittcag gaaactggg ttaacattcg ttggatgtgg tttatcat cctccaagc tgaaacttaga tacaattaga tacaagcet cgaaattac aacaattgt ccgcttctc ataatacac cttccccacc ataatacaa	3720 3780 33900 3960 4020 4140 4260 4260 4320 44500 4500 4620 4740 4860 4740 4860 492
<pre><210> 130 <211> 4563 <212> DNA <213> Homo <220> <221> misc <223> Incy</pre>	taggaaatac sapiens	caattaaaaa	tataataaat	agct	-	5024
aaggaaatga tagetaaatg attgacetgt taaagatgtt etettgetet ecaageetgg	tgtttteagt agtatteace agaaagecat geettegtea tgteattaaa gtgteacace tagetggage ttggttacca	gttaaggata atatgaatac gagcttcaga aagtcacatc cgctgcctct cccaggaagt	aggatgtttg ttagactgtt tgtgagggga gcaattaata gtgacaacct tgttaaagca	taatgtgaca gctacctggg atgatgctaa gattcagaat tcatttccta attaaaggct	gtgttaatgc agcattattt tagaatcatg tcatcgagtc cttagcaaat tctgtctccc	120 180 240 300 360 420

	gggttgttca					
ctctctctcq	ttgctcgctt	tccagtgtga	tttcagacat	ctgtagcaat	ggaaggttct	600
gaatgatgac	tgacgcgggt	ttaaataata	cccctcacad	cccctatcat	teceggantea	660
Laaggeacce	gegegtetag	ecceagegee	agggcacgcg	ageggegerg	gagggaggaa	120
agetteegee	tgcgggccgg	acaaaaqtcc	cgcctgccca	cggctttttq	ceegeegete	780
	egectegeeg					
	gcccgccgtg					
caaccgccag	ccccagcccc	gegetgeget	geceggteet	ctcccggcgg	ggtcgtatcg	960
acatagacat	ggctggccgc	atcectagee	tactacttct	ccttattttt	ccaagcaget	1020
atthemath	ccgaagccca		**			1000
tttccaatga	atgtcttggt	accaccagac	ccgtagttcc	tattgattca	tcagattttg	1140
cattggatat	tegeatgeet	ggggttacac	ctaaacagtc	cgatacatac	ttctgcatgt	1200
	accagtggat					
Lacycyaac	accageggae	gaggaageee	ccgcgaccga	CCCCaagecc	cgagccagca	1200
tggatactgt	ccatcacatg	ttactttttg	gatgcaatat	gccttcatcc	actggaagtt	1320
actggttttg	tgatgaagga	acctgtacag	ataaagccaa	tattctqtat	geetgggega	1380
	ccctacccgg					
	ctttgtacta					
	ttctggtgtg					
gcatgtaget	tatgatgtct	attaacacta	ttatcccage	accaca a a a a	ataataaatt	1620
	atgccattat					
	aggtaaggta					
ttggacggca	gagccctcag	ctaccacaaa	ctttctaccc	tataaaaacat	ccaqttgatg	1800
taagttttgg	tgacctactg	actacaaaat	atatatteac	toutusaura	neenenene	1860
caageceegg	tgacctactg	gccgcaagac	grycarccac	cygcyaayya	aggacagaag	1000
CCacacacacat	tggtggcacg	cctagtgatg	aaatgtgcaa	citatacatt	auguattaca	1920
tggaagccaa	tggtggcacg gcatgcagtt	tettteatga	cctgtaccca	gaatgtagct	ccagatatgt	1980
tcagaaccat	accaccagag	decaacat te	caattecent	gaagtetgat	atoottatoa	2040
Lycatyaaca	actcataaag	citcitigat	cetttacaga	aacagaatat	aaayataaya	2100
	acagcagcca					
attcactact	ttccaagctg	ctaggagaaa	aggaagatat	tattcatata	cacaaatata	2220
	aaaggcagaa					
	tettggtega					
ctattcttgt	cagagacaga	attcacaaat	tecacagaet	agtatetace	ttgaggccac	2400
	agttttctca					
222222222	agostttaga	2+ 442244	an at week to	ugaaggaaco	bogbbebb	2520
aacacacagg	agatttccac	acygaagagg	cactggattg	gcccggagca	Lactigitat	2320
caggccaggt	ttctggggtg	gctctagacc	ctaagaataa	cctggtgatt	ttccacagag	2580
gtgaccatgt	ctgggatgga	aactcgtttg	acagcaagtt	tgtttaccag	caaataggac	2640
tcggaccaat	tgaagaagac	actattcttc	tratagator	agataatoot	acagtactec	2700
	aaaaaatctg					
attattgggt	cacagacgtg	gctctccatc	aggtgttcaa	actggatcca	aacaataaag	2820
aaggccctgt	attaatcctg	ggaaggagca	tocaaccaoo	cagtgaccag	aatcacttct	2880
	tgatgtggct					
actgcaacag	caggattgtg	cagttttcac	caagtggaaa	gttcatcaca	cagtggggag	3000
aagagtette	agggagcagt	cctctgccag	gccagttcac	tgttcctcac	agettqqete	3060
ttatacetet	tttgggccaa	ttatototoo	cadaccddda	aaatootcoo	atccartett	3120
ttaaaaataa	caccaaagaa	tttatasasa	202112200	ttestesttt	aaroagogte	2100
tatttgcaat	ttcatatata	ccaggcttgc	tetttgeagt	gaatgggaag	cctcattttg	3240
gggaccaaga	acctgtacaa	ggatttgtga	tgaacttttc	caatggggaa	attatcgaca	3300
tetteaagee	agtgcgcaag	cactttgata	tocctcatoa	tattottoca	tetgaagatg	3360
amentatate	cattggagat	antastanas	agagggtgtg	assattasaa	ttaaataaaa	3420
gyactytyta	carrygagar	gereatacea	acaccytyty	gaagttcacc	ctyactyaya	3420
	tcgatcagtt					
aggcagttgt	tgaaaccaaa	atggagaaca	aacccacctc	ctcagaattg	cagaagatgc	3540
aagagaaga	gaaactgatc	assusucceu	accteageag	tacctattat	tetestracs	3600
angagaaaaa	ttattccggt	wattataata	georogggag	egotogtogt	tameternos	3660
aaatcaaggg	cctttggagc	agattctgaa	cacaaactcg	agacgagttc	aggaagagta	3720
ctgggaagat	ttagaggaaa	aggaagtaga	ggcttaaacc	ttootaattt	ctttgcaagc	3780
	acagtcgaaa					
- s caagggCt	abag coguaa	agggeergae		bab		2000
aaagaggatg	atggaagtga	accagaagag	gagtattcag	cacctctgcc	Lycgctcgca	3900
ccttcctcct	cctgaaaacc	aagctttgat	ttagattgag	taagatttac	ccagaatgtc	3960
agattccttt	ccctttagca	cotttaaact	tetetetatt	taattotaaa	ctgtactagt	4020
o cg cg cggga	ctgtacacac	LLLALLLACE	regereeggt	Laagelyget	Loughteeta	4000
	ttcctaaaag					
agaaaccotc	ctctttttcc	atcataattc	taatctaaca	atggaagatt	tgcccattta	4200
cacttttgag	actttttggt	destatas at	aaccccattc	tttgcttgaa	cacagnatht	4260
ccccaatage	actttcattg	ccagigtett	tetttggtge	citteeigtt	cagcattett	432U
agcetgtgge	aataaagaga	aactttgtgc	tacatgacga	caaagctgct	aaatctccta	4380
tttttttaaa	atcactaaca	ttatattoca	atgaaggaaa	taaaaaaactc	tctatttaaa	4440
	aattttcttc					

```
cactgttaga acactatttt cagaatetga atgtaatttg tgtaataaag tgtttcagag 4560
<210> 131
<211> 1630
<212> DNA
<213> Homo sapiens
<221> misc feature
<223> Incyte ID No: 246531.2
<400> 131
agetgagetg coggetgaat gteaggtgat gegteetgae etetteetga geacetagtg 60
tgtgccctgt gctgggccca ggaggcatgc tgggggcaat gtgggcctca aggaggaggt 120
cgggtgatga ggggccaacc caggggcatg gtctagtggc ccagtcagga cgcggaaaca 180
ctcctggag gttctgaccc gctcctctc agcctccgcc tggtctctgg tgtagtcgcc 240
geogecagee gecatgggea aacagaacag caagetgegg eeegaggtge tgeaggacet 300
gegggagaac aeggagttea eegaceaega getgeaggag tggtacaagg getteeteaa 360
ggactgcccc accggccacc tgaccgtgga cgagttcaag aagatctacg ccaacttett 420
eccetaegge gacgetteea agttegeega geacgtette egeacetteg acaceaaegg 480
cgacggcacc atcgacttcc gggaqttcat cattgcgctg agcgtgacct cgcggggcaa 540
getggageag aageteaagt gggeetteag catgtacgae etggaeggea aeggetacat 600
cagoogoago gagatgetgg agategtgea ggecatotae aagatggtgt egtetgtgat 660
gaagatgccg gaggatgagt ccaccccgga gaagcgcaca gacaagatct tcaggcagat 720
ggacaccaac aatgacggca aactgteett ggaagaattc atcagaggtg ccaagagcga 780
eccetecate greegeerge tgeagrage ecceageagt gecagteagt tergagegag 840
eggeeeetgg acagttgeag agaaacacag gettgtegtg cegtttaage tttgettgea 900
agagtggatg coccgcaatc gitcotgetc tecogggecc egggectggg geatgegitg 960
agagygany decdydaatt yctolydd Leddyggedd gyggedgyg gaalyglyg 300
caetigeog geogygleg tycycetoec tetecaet gaecaacyg aastiecte 1020
ecteacyci gycecyglee citecaygge aastecagy gatylyglya aatgeagyg
teaafyth theytecag geacetec
ggagaccagg caggacetec egaggetgeg eccepgeegg eccatgegtt ttgtgatece 1200
aagtgactet gtgggaaggg tggggacgag gcgtcgggag ggtatacagg gagcccctcc 1260
ogtgcatggc tgccccccg ttcattttct ccaccacagc cgcttgcacg tatagatact 1220
gtggtcccct ttcttttaat atataaatta tgtatggtga agtggagtgt attgtgtagg 1380
teceptattt aatgeetetg aetgeetttg aagggagge etetgtggee egeaggeece 1440
tgagectgge tgttgtgtgg tatttatget etetitgtet geetgtttet aaggaaatge 1500 atgtgtgeee tgageegtga tgateeteee ateegtgttg tgageaeagg catttgtgte 1560
tggtctgtcc tccctgttga ttggtctggc atttccggta ttaaaatgat aaaataaatg 1620
gcattttctg
<210> 132
<211> 1258
<212> DNA
<213> Homo sapiens
<221> misc_feature
<223> Incyte ID No: 238586.2
<220>
<221> unsure
<222> 1007
<223> a, t, c, g, or other
gaaaaataac acatactttc aaagttctgt agactctaaa aagaaagaaa acactcaaat 60
gagtcaccta tttccacatt cgaggetgag aagetatata aatttctgca gtcactagea 120
gaaaacacca aatcaaccat aggteeaaga acaattgtet etggaeggea tgetatgega 180
eteaccatge tatatactat atacetacta ectagoagee tagecetace actacetaca 240
ggaggggggg ggoatgagig agctacagtg ggaacaggc taggactate teagagat 300
ttatetetat gaeteagaa caaaaaatge caacagttta gagaccaac teaaggagat 360
goaaaaatte titggectae etataactgg aatgttaaa tecaggcgta taggaaataa 420
gcagaagccc agatgtggag tgccagatgt tgcagaatac tcactatttc caaatagccc 480
aasatggact tecaaagtgg teacetacag gategtatea tatactegag acttacegea 540
tattacagtg gatcgattag tgtcaaaggc tttaaacatg tggggcaaag agatcccct 600
```

```
geatticagg aaagttgtat ggggaactge tgacateatg attggetttg egegaggage 660
teatggggac tectacceat ttgatgggec aggaaacacg ctggctcatg cetttgcgcc 720
tgggacaggt ctcggaggag atgctcactt cgatgaggat gaacgctgga cggatggtag 780
cagtetaggg attaacttcc tgtatgetge aactcatgaa cttggccatt ctttgggtat 840
gggacattcc tetgatecta atgeagtgat gtatecaacc tatggaaatg gagatececa 900
agattttaga ctttcccagg atgatattag aggcattcag agactatatg gagagagag 960
taattcaaga aagaaataga aacttcaggc agaacatcca ttcattnatt cattggattg 1020
atgteaccet ttittattgc agttggtttt tgaatgtett teacteettt taaggataaa 1140
ctcctttatg gtgtgactgt gtcttattca tctatacttg cagtgggtag atgtcaataa 1200
atqttacata cacaaataaa taaaatqttt attccatqqt aaatttaaaa aaaaaaaa 1258
<210> 133
<211> 2127
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 245532.7
agetgaggtg tgaggagetg eegaagteag tteettgtgg ageeggaget gggegeggat 60
togocgaggc accgaggcac toagaggagg cgccatgtca gaaccggctg gggatgtccg 120
tcagaaccca tgcggcagca aggcctgcg ccgcctcttc ggcccagtgg acagcgagca 180 gctgagccgc gactgtgatg cqctaatqqc gggctgcatc caggaggccc gtgagcgatg 240
gaacttegac tttgtcaccg agacaccact ggagggtgac ttcgcctggg agcgtgtgcg 300
gggeettgge etgeecaage tetacettee caeggggeec eggegaggee gggatgagtt 360
gggaggagge aggeggeetg geaceteace tgetetgetg caggggacag cagaggaaga 420
ccatgtggac ctgtcactgt cttgtaccct tgtgcctcgc tcaggggagc aggctgaagg 480 gtccccaggt ggacctggag actctcaggg tcgaaaacgg cggcagacca gcatgacaga 540
tttctaccac tccaaacgcc ggctgatctt ctccaagagg aagccctaat ccgcccacag 600
gaageetgea gteetggaag egegagggee teaaaggeee getetacate tietgeetta 660
gtctcagttt gtgtgtctta attattattt gtgttttaat ttaaacacct cctcatgtac 720
ataccetgge egecectge ecceeagect etggeattag aattatttaa acaaaaacta 780
ggeggttgaa tgagaggtte etaagagtge tgggeatttt tattttatga aatactattt 840
aaagoctoct catecogtgt teteotttte eteteteeg gaggttgggt gggeeggett 900 catgocaget actteeteet ceceaettgt eegetgggt gtaceetetg gaggggtgt 960
getecttece ategetgtea caggeggtta tgaaatteac eccettteet ggacacteag 1020
acctgaatte ttitteatti gagaagtaaa cagatggcae titgaagggg ceteacegag 1080
tgggggcate atcaaaaact titgaagtece etcacetect etaaggttgg gcagggtga 1140
cetggaagtga gcacagceta gggctgaget ggggaacetgg taccetectg gcatgtata 1240
ecceetetg tettgtgaag geagggggaa ggtggggtee tggageagae caceeegeet 1260
geocteatgg cocctetgac etgeactggg gagecegtet cagtgttgag cettttecet 1320
ctttggetee cetgtacett ttgaggagee ceagetacee ttetteteea getgggetet 1380
gcaattcccc tctgctgctg tccctccccc ttgtcctttc ccttcagtac cctctcagct 1440 ccaggtggct ctgaggtgcc tgtcccaccc ccaccccag ctcaatggac tggaagggga 1500
agggacacac aagaagaagg gcaccctagt tetaceteag gcagcteaag cagcgaceg 1550 eccetectet agetgtgggg gtgagggtee catgtggtgg cacaggecee ettgagtggg 1620
gttatctctg tgttaggggt atatgatggg ggagtagatc tttctaggag ggagacactg 1680
gcccctcaaa tcgtccagcg accttcctca tccacccat ccctccccag ttcattgcac 1740
tttgattagc ageggaacaa ggagteagae attttaagat ggtggeagta gaggetatgg 1800
acagggeatg ceaegtggge teatatgggg etgggagtag ttgtetttee tggeactaae 1860
gttgagcccc tggaggcact gaagtgetta gtgtacttgg agtattgggg tctgacccca 1920
aacacettee ageteetgta acatactgge etggaetgtt ttetetegge teeccatgtg 1980
tectggttcc cgtttctcca cctagactgt aaacctctcg agggcaggga ccacaccctg 2040
tactgttctg tgtctttcac agctcctccc acaatgctga atatacagca ggtgctcaat 2100
aaatgattct tagtgacttt aaaaaaa 2127
<210> 134
<211> 2192
<212> DNA
<213> Homo sapiens
<221> misc feature
<223> Incyte ID No: 200972.2
```

```
<400> 134
ggggccccac acaggccgcg gcggctggct cgggccccta cggtcccggc ggcggctgga 60
ggaggaagee aggeggetgg eggaggagga gagacggagg aggeegagae eggagegeeg 120
etegeegeag aettaettee eeggeteage agggaaaggt teetagaagg tgagegegga 180
eggtatgeaa agttgtgaat ccagtggtga cagtgeggat gaecetetea qtegeqqeet 240
acggagaagg ggacageete gtgtggtggt qateggegee ggettggetg geetggetge 300
agccaaagca ettettgage agggttteae ggatgteaet gtgettgagg etteeageea 360
categgagge egtgtgeaga gtgtgaaact tggacaegee acetttgage tgggageeac 420
ctggatccat ggctcccatg ggaaccctat ctatcatcta gcagaagcca acggcctcct 480
ggaagagaca accgatgggg aacgcagcgt gggccgcatc agcctctatt ccaagaatgg 540
cgtggcctgc taccttacca accaeggecg caggatecec aaggacgtgg ttgaggaatt 600
cagegattta tacaacgagg totataactt gacccaggag ttottccggc acgataaacc 660
agtoaatget gaaagtoaaa atagegtggg ggtgttoace egagaggagg tgegtaaceg 720 catcaggaat gaccetgaeg acceagagge taccaagege etgaageteg ecatgateca 780
geagtacetg aaggtggaga getgtgagag cageteacae ageatggaeg aggtqteeet 840
gagogcotte ggggagtgga ecgagatece eggegeteae cacatatec ecteggget 900 catgegggtt gtggagetge tgggeggagg geatectge ecaegteate cagetaggga 960
aacctgtccg ctgcattcac tgggaccagg cctcagcccg ccccagaggc cctgagattg 1020
ageccegggg tgagggegae cacaateaeg acaetgggga gggtggeeag ggtggagagg 1080
agccccgggg gggcaggtgg gatgaggatg agcagtggtc ggtggtggtg gagtgcgagg 1140
actgtyagct gatcccggcg gaccatgtga ttgtyaccy; tgcgctaggt gtgctaaga 1200
gycagtacac cagtttcttc cggccaggcc tgcccacaga gaaggtggt gcaatccac tg
gcctgggcat tggcaccace gacaagatet ttetggaatt cgaggagece ttetggggee 1320
georgygear tyggactare gataagatet trugggart gagaggeca acctraggger 1330
accaactga gebetggtae egcaagatet geogetttga tytectetae eegeetgage 1440
gebaggeca tytyetgage ggeotggatet geogggagga ggeoctogte atggagaaga 1500
gtgatgac
ccaacattcc aaaacctcgg cgaatcttgc gctcggcctg gggcagcaac ccttacttcc 1620
geggetecta tteatacaeg eaggtggget eeagegggge ggatgtggag aagetggeea 1680
agcccctgcc gtacacggag agctcaaaga cagcgccat gcaggtgctg ttttccggtg 1740
aggccacca ccgcaagtac tattccacca cccacggtgc tctgctgtcc ggccagcgtg 1800
aggetgeeeg ceteattgag atgtacegag acetetteea geaggggace tgagggetgt 1860
cetegetget gagaagagee actaactegt gacetecage etgeceettg etgeogtgig 1920
ctectgects gagaangue autaatugi gaetteage tyeteettig gytegetgi 1980
etectgectt ectgatecte tytagaaagg attittatet tetytagage tageegeet 1980
gaetgeette agaectggee etgtagetti tetititete eaggetggge egtgageagg 2040
tggggeegitg agitaectet gigetggate eegtgeeeee actigeetae eetetyteet 2100
geetigitat tytaagigee tieaataett tgeattitig gataataaaa aaggeteeet 2160
cocctgcccc tcagcttctc tctggttttc tc
                                                                                                 2192
<210> 135
<211> 3075
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 348061.1
tggcgggggg agaaatggca gtaggcattc cgtcccgctt ataagggccc cggaccgccg 60
eggeteget eggettgeet eggettgeet gaaeageet aggegeette eggeteegee etageegeeg 120 egteesaget agageteeg eggetegeet eggeteegee teggeteegee 120 egteesaget agageteegg eggetegget 180 esttggaetg eggeggaata tygeeggete gatgaeteeg eggetegge eggagaeta 240 egaggegge etaaatgeeg ecctggetga egtgeeggae etggeeagae tectggagat 300
ogaccogtac ttgaagcoct acgcogtgga ettccagcgc aggtataagc agtttagcca 360
aattttgaag aacattggag aaaatgaagg tggtattgat aagttttcca gaggctatga 420
atcatttggc gtccacagat gtgctgatgg tggtttatac tgcaaagaat gggccccggg 480
agcagaagga gtttttctta ctggagattt taatggttgg aatccatttt cgtaccata 540
caaaaaactg gattatggaa aatgggaget gtatatecca ccaaagcaga ataaatetgt 600
actogtgeet catggateca aattaaaggt agttattact agtaaaageg gagagatett 660
gtategtatt teaeegtggg eaaagtatgt ggttegtgaa ggtgataatg tgaattatga 720
ttggatacae tgggateeag aacaeteata tgagtttaag eatteeagae caaagaagee 780
acggagteta agaatttatg aateteatgt gggaatttet teccatgaag gaaaagtage 840
ttettataaa cattttacat geaatgtaet accaagaate aaaggeettg gatacaactg 900 catteagttg atggeaatea tggageatge ttactatgee agetttggtt accaaateac 960
aggettettt geagetteea geegttatgg aacacetgaa gagetacaag aactggtaga 1020
cacageteat tecatogota teatagtest ettagatoto otacacages atoetteaaa 1080
```

aaattcagca	gatggattga	atatotttoa	toggacagat	tectottatt	ttcattctcc	1140
acct agaggg	actcatgatc	tttdddatad	cagattett	gootagtoca	actaggaegt	1200
tttaagaggg	attatatata		-beat beat	geetaeteea	bt-optgaage	1260
Liciaagaici	cttctgtcaa	acataagatg	grggrrggaa	gaatateget	Ligarygair	1200
	ggtgttacgt					
aggtgattac	agtgaatatt	teggaetaca	agtagatgaa	gatgccttga	cttacctcat	1380
gttggcaaat	catttggttc	acacactata	teccoattet	ataacaatag	ctgaggatgt	1440
atcaccasto	ccagctctgt	cototocaat	ttacceaaaa	addadt aut t	ttgagtatog	1500
actaggaatg	gcaattccag	gerecedat	tetoeth	gggggcggcc		1560
accayecacy	geaactecag	acaagcygac	teagetaett	adagagicia	aayacyaaga	1300
ctggaacatg	ggcgatatag	tatacacgct	cacaaacagg	egetacettg	aaaagtgcat	1620
tgcttatgca	gagagccatg	atcaggcatt	ggttggggat	aagtegetgg	cattttggtt	1680
gatggatgcc	gaaatgtata	caaacatgag	totcctoact	ccttttactc	cagttattga	1740
	cagetteata					
atotatanon	ttcatgggta	ntenathbore	acceactacy	backtones	beespearing	1060
CLaceccaat	cccacgggca	atgaatttgg	geateetgaa	tggttagact	CCCCaagaaa	1000
aggaaataat	gagagttacc	attatgccag	gcggcagttt	catttaactg	acgacgacct	1920
tcttcgctac	aagttcctaa	ataattttga	cagggatatg	aatagattgg	aagaaagata	1980
taattaactt	gcagetecae	aggeetaegt	gagtgaaaaa	catgaaggca	ataagatcat	2040
	agagcaggtc					
	gttggaacag					
agcggaatat	ggagggcatc	agagactgga	ccacagcact	gactttttt	ctgaggcttt	2220
tgaacataat	gggcgtccct	attctctttt	ggtgtacatt	ccaagcagag	tggccctcat	2280
ccttcagaat	gtggatetge	coaattoaao	aggeetgatt	teagetecae	caga tocaga	2340
	gttttcttgt					
atagagatat	ctagecaage					2460
agcaaacttt	tatttaagta	gatgggagaa	tatgtttaaa	atattaggaa	teetagacea	2520
tattttcaag	tcatcttagc	agctaggatt	ctcaaatgga	agtgttatat	ataatatgtt	2580
aaaaacattt	tgettteetg	octaattatt	tgatcetttt	aaattcaaat	ttgaatcatt	2640
	gattatttct					
atattatta	tgatatettt	taatataat	hatanaataa	annonttott	tetttette	2760
battegete	ugacacecte	tggtctaaat	tatgaggtac	caagattgtt	Lecting	2/00
tttttttcaa	attgtgttta	gaaatactgt	aataaatatg	cagtagtgat	ataaagaatt	2820
	taatataaaa					
tattttgtga	tetettgtee	actaagtatc	ttgttaaatg	ccagtatete	agtetttetg	2940
	atggtaattg					
acttttate	atgtgaaaaa	2222222	aaaratttta	attaagggggt	ocaaccttat	3060
		aaaaaaaacac	adagaccca	accaagegge	cgaagectac	
tccctttagt	gagta					3075
_	gagta					30/5
<210> 136	gagta					30/5
<210> 136	gagta					30/5
<210> 136 <211> 4889	gagta					30/5
<210> 136 <211> 4889 <212> DNA						30/5
<210> 136 <211> 4889						3075
<210> 136 <211> 4889 <212> DNA <213> Homo						3075
<210> 136 <211> 4889 <212> DNA <213> Homo	sapiens					30/5
<210> 136 <211> 4889 <212> DNA <213> Homo	sapiens					30/5
<210> 136 <211> 4889 <212> DNA <213> Homo <220> <221> misc	sapiens _feature	33711 7				30/5
<210> 136 <211> 4889 <212> DNA <213> Homo <220> <221> misc	sapiens	33711.7				30/5
<210> 136 <211> 4889 <212> DNA <213> Homo <220> <221> misc <223> Incy	sapiens _feature	33711.7				30/5
<210> 136 <211> 4889 <212> DNA <213> Homo <220> <221> misc <223> Incy <400> 136	sapiens _feature te ID No: 2:					
<pre><210> 136 <211> 4889 <212> DNA <213> Homo <220> <221> misc <223> Incy <400> 136 acttgagtct</pre>	sapiens _feature te ID No: 2:	cateteegae				60
<pre><210> 136 <211> 4889 <212> DNA <213> Homo <220> <221> misc <223> Incy <400> 136 acttgggtct cctcaaaccc </pre>	sapiens _feature te ID No: 2: cgaaccactg	catctccgac cggggcgcac	aagccagcca	gegeaeetge	agtectegee	60 120
<pre><210> 136 <211> 4889 <212> DNA <213> Homo <220> <221> misc <223> Incy <400> 136 acttgggtct cctcaaaccc </pre>	sapiens _feature te ID No: 2: cgaaccactg	catctccgac cggggcgcac	aagccagcca	gegeaeetge	agtectegee	60 120
<pre><210> 136 <211> 4889 <212> DNA <213> Homo <220></pre>	sapiens _feature te ID No: 2: cgaaccactg cagcccaggc	catctccgac cggggcgcac ggaaccaggc	aagccagcca tctgctccga	gegeacetge geageetteg	agtectegee ecceteaage	60 120 180
<pre><210> 136 <211> 4889 <212> DNA <213> Homo <220> <221> misc <223> Incy <400> 136 acttgagtct cctcaaaccc cggacgcgcc cagccacagt cagccacagt</pre>	sapiens _feature te ID No: 2: cgaaccactg cagccaggc gcgcccctc ccccgccagg	catctccgac cggggcgcac ggaaccaggc ccgggtgggc	aagccagcca tetgeteega gtcaagatga	gegeacetge geageetteg aggeggeeeg	agtectegee ecceteaage ettegtgetg	60 120 180 240
<pre><210> 136 <211> 4889 <212> DNA <213> Homo <220> <221> misc <221> misc <223> Incy <400> 136 acttgagtct cctcaaaccc cggacgcgc cagcacagt cgcagggcacagt cgcagggcgcaggcgcaggcgcaggcgcagggcgcaggcgcaggcgcaggcgcaggcgcaggcgcaggcgcaggcgcaggcgcaggcgcaggcgcaggcgcaggcgcaggcgcaggcgcaggcgcaggcgcaggcgcaggcgcgcaggcgcaggcgcagaggcgcagaggcgctgagaggcgctgagaggcgctgagaggcgctgagaggcgctgagagaggcgctgagagaga</pre>	sapiens feature te ID No: 2: cgaaccactg cagccaggc gcgcccctc cccgcagg	cateteegae eggggegeae ggaaceagge eegggtggge eggegeegge	aagccagcca tetgeteega gtcaagatga etggtgeece	gegeaeetge geageetteg aggeggeeeg gagaggtgga	agtectegee ecceteaage ettegtgetg geattteteg	60 120 180 240 300
<pre><210> 136 <211> 4889 <212> DNA <213> Homo <220> <221> misc <223> Incy <400 136 acttgagtct cctcaaaccc cggacgcgc cagccacagt cgcacaggct cgctacagcct cgcacagcgct cgctacagcact cgcacagcact cgcacacagc cgcacacagc</pre>	sapiens feature te ID No: 2: cgaaccactg cagccaggc gcgccccctc cccgcagg gctcgctcaa cgtccccgctcaa	cateteegae eggggegeae ggaaceagge eegggtggge eggegeegge gteeatgaag	aagccagcca tetgeteega gtcaagatga etggtgeeee cagetaetgg	gegeacetge geageetteg aggeggeeeg gagaggtgga actttggtte	agtectegee ecceteaage ettegtgetg geattteteg agaaaatgea	60 120 180 240 300 360
<pre><210> 136 <211> 4889 <212> DNA <213> Homo <220> <221> misc <223> Incy <400 136 acttgagtct cctcaaaccc cggacgcgc cagccacagt cgcacaggct cgctacagcct cgcacagcgct cgctacagcact cgcacagcact cgcacacagc cgcacacagc</pre>	sapiens feature te ID No: 2: cgaaccactg cagccaggc gcgcccctc cccgcagg	catctccgac cggggcgcac ggaaccaggc ccgggtgggc cggcgccggc gtccatgaag	aagccagcca tetgeteega gtcaagatga etggtgeeee cagetaetgg	gegeacetge geageetteg aggeggeeeg gagaggtgga actttggtte	agtectegee ecceteaage ettegtgetg geattteteg agaaaatgea	60 120 180 240 300 360
<pre><210> 136 <211> 4889 <212> DNA <213> Homo <220> <221> misc <223> Incy <400> 136 acttgagtct cctcaaaccc cggacgcgc cagcacagt cgcacagt cgcacagt cgcacagct cgcacagct cgcacagct cgctacagcc tgtgaaagaa</pre>	sapiens _feature te ID No: 2: cgaaccactg cagccaggc gcgcccctc cccgcagg gctcgctcaa cgtccccgct cttcttttgc	catctccgac cggggcgcac ggaaccaggc ccgggtgggc cggcgcggc gtccatgaag atttttgcga	aagccagcca tetgeteega gtcaagatga etggtgeeee cagetaetgg caagaattge	gegeacetge geageetteg aggeggeeeg gagaggtgga actttggtte etgtgagaet	agtectegee ecceteaage ettegtgetg geattteteg agaaaatgea egecaacatt	60 120 180 240 300 360 420
<pre><210> 136 <211> 4889 <212> DNA <213> Homo <221> misc <223> Incy <400> 136 acttgagtct cctcaaacc cggacgcgc cggcaggcgc cggcagcacagt cgcaggcgt cgcagcacagt cgcaggcgt cgcagaggaggct cgcagaggaggaggaggaggaggaggaggaggaggaggag</pre>	sapiens feature te ID No: 2: cgaaccactg cagcccagg cgcccctc cccggcagg gctcgctcaa cgtcccggc cttcttttgc	catctccgac cggggegcac ggaaccaggc ccgggtgggc gtccatgaag atttttgcga cccgaccaa	aagccagcca tctgctccga gtcaagatga ctggtgccc cagctactgg caagaattgc ttagtaaata	gegeaeetge geageetteg aggeggeeeg gagaggtgga actttggtte etgtgagaet ectetteagt	agteetegee ecceteaage ettegtgetg geattteteg agaaaatgea egecaacatt geaatgggtt	60 120 180 240 300 360 420 480
<210> 136 <211> 4889 <212> DNA <213> Homo <220> <221> misc <223 Incy <400> 136 acttgagtct cctcaaaccc cggacgcgc cagcacagt cgcacgctg cgctacagcc tgtgaaagaa ctgaaggaa aaaagctggt	sapiens _feature te ID No: 2: cgaaccactg cagccaggc gcgcccctc cccgcagg gctcgctcaa cgtccccgct ttttttg ttgatatcct atatacagt	catetecgae egggegeae ggaaceagge egggegge gtecatgaag atttttgega ecegaeceaa ectgatggat	aagccagcca tctgctccga gtcaagatga ctggtgcccc cagctactgc caagaattgc ttagtaaata ttggtggaat	gcgcacctgc gcagccttcg aggcggcccg gagaggtgga actttggttc ctgtgagact cctcttcagt tccatgagaa	agtectegee ecceteaage ettegtgetg geattteteg agaaaatgea egecaacatt geaatgget aageceagat	60 120 180 240 300 360 420 480 540
<pre><210> 136 <211> 4889 <212> DNA <213> Homo <220> <221> misc</pre> <222> Incy <400> 136 acttgagtct cotcaaaccc cagcacaagt cgcaacaagt cgcaacagt cgctacagc tgtgaaagaa ctgaaggaa aaaagctggt gaccagaaagt gaccagaaagt gaccagaaagg gaccagaaagg	sapiens feature te ID No: 2: cgaaccactg cagcccagg gcgcccccc cccgccagg gctcgctcaa cgtccccgc cttcttttg ttgatatcct atatacagag cattatcaga	catctccgac cggggcgcac ggaaccaggc ccgggtgggc gtccatgaag atttttgcga cccgacccaa cctgatggat ctttgtagat	aagccagcca tctgctccga gtcaagatga ctggtgccc cagctactgg caagaattgc ttagtaaata ttggtggaat acactcatca	gcgcacetge gcagcetteg aggcggcccg gagaggtgga actttggtte ctgtgagaet cctettcagt tccatgagaa aagttcgaaa	agtectegee ceceteaage cttegtgetg geatteteg agaaaatgea cgccaacatt geaatgggt aageceagat tagacaccat	60 120 180 240 360 420 480 540 600
<210> 136 <211> 4889 <212> DNA <213> Homo <220> <223> Incy <400 136 acttgagtct cctcaaaccc cggacgcccagccacgct cgcacgcttgcaagaa ctgaaggaa ctgaaggaa ctgaaggaa aaaagctggt gaccacaagaa aaaagctggt gaccacaagaa aaaagctggt	sapiens feature te ID No: 2: cgaaccactg cagcccaggc ggccccctc cccgcagg gtcgctcaa cgtccccgct ttgatatcct tatatacaga cattatacaga catcaatggc	catctccgac cgggggcgcac ggaaccaggc ceggggggcggcggcggcggcggcggcggcggcggc attttgcga cccgacccaa cctgatggat ctttgtagat acaaggaatc	aagccagcca tctgetcega gtcaagatga ctggtgecce cagctactgg caagaattge ttagtagaat atggtggaat acactcatca atagagtata	gegeacetge geageetteg aggeggeeg gagaggtega actttggtte etgtgagact ectetteagt tecatgaga aagttegaaa aagttegt	agtectegee ceceteaage cttegtgetg geattteteg agaaaatgea egecaacatt geaatgggtt aageceagat tagacaccat tacagttgae	60 120 180 240 300 420 480 540 660
<210> 136 <211> 4889 <212> DNA <213> Homo <220> <220> <221> misc <223> Incy <400> 136 acttgagacgecc cagcacagt cgcacagt cgcacagt cgcacagc tgtgaaggaa actgaaggaaa aaaagctggt gaccagaaag agtgatbacca	sapiens feature te ID No: 2: cgaaccactg cgccccctc cccgccagg gctcgctcaa cgtccccgc cttcttttgc ttgatatoct atatacagag cattacagac catcaatggc atcaaatggc	catctccgac cggggcgcac ggaaccaggc ccgggtgggc ggcgccggc gtccatgaag atttttgcga ccgacccaa cctgatggat ctttgtagat acaaggaatt tcaatatttc	aagccagcca tetgeteega gtcaagatga etggtgeeee cagetaetgg caagaattge ttagtaaata ttggtggaat acacteatea atagagtata ttggategat	gegeacetge geagectteg aggegeeg gagaggtgga actttggtte ctgtgagact cctctteagt tecatgagaa aagttegaaa aagteetg tttacatga	agtectegec ceceteaage cttegtgetg geattteteg agaaaatgea egceaacat geaatggtt aageceagat tagacacat tacagttgac cegtatttet	60 120 180 240 360 420 480 540 660 720
<210> 136 <211> 4889 <212> DNA <213> Homo <220> <220> <221> misc <223> Incy <400> 136 acttgagacgecc cagcacagt cgcacagt cgcacagt cgcacagc tgtgaaggaa actgaaggaaa aaaagctggt gaccagaaag agtgatbacca	sapiens feature te ID No: 2: cgaaccactg cagcccaggc ggccccctc cccgcagg gtcgctcaa cgtccccgct ttgatatcct tatatacaga cattatacaga catcaatggc	catctccgac cggggcgcac ggaaccaggc ccgggtgggc ggcgccggc gtccatgaag atttttgcga ccgacccaa cctgatggat ctttgtagat acaaggaatt tcaatatttc	aagccagcca tetgeteega gtcaagatga etggtgeeee cagetaetgg caagaattge ttagtaaata ttggtggaat acacteatea atagagtata ttggategat	gegeacetge geagectteg aggegeeg gagaggtgga actttggtte ctgtgagact cctctteagt tecatgagaa aagttegaaa aagteetg tttacatga	agtectegec ceceteaage cttegtgetg geattteteg agaaaatgea egceaacat geaatggtt aageceagat tagacacat tacagttgac cegtatttet	60 120 180 240 360 420 480 540 660 720
<pre><210> 136 <211> 4889 <212> DNA <213> Homo <220> <223> Incy <400 136 acttgagtct cctcaaaccc cggacgcccagccacgct cgcacgcttgcacagcttgcacagcttgcacagacacagt gaccagagaa ctgaaggaaa aaaagctggt gaccagaaaga aatgtagtcc cagtcacacacacacacacacacacacacacacacacaca</pre>	sapiens feature te ID No: 2: cgaaccactg cagcccaggc gcgcccctc cccgcagg gctcgctcaa cgtccccgct ttgatatcct tatatcaga catcaaatggc atcaaaatggc atcaaaatggc	catctccgac cggggcgcac ggaaccaggc ccggctgggc cggcgcggc gtccatgaag atttttgcga cccgaccaa cctgatggat ctttgtagat acaaggaatc tcaatatttc gcacattctt	aagccagcca tctgctccga gtcaagatga ctggtgcccc cagctactgg caagaattgc ttagtaaata ttggtggaat acactcatca atagagtata ttggatcgat atatttagtg	gegeacetge geageetteg gagaggeeg gagaggeeg actttggtte ceteteagt tecatgagaa aagttegaaa aagttegaaa aagatgeetg tttacatgaa acteacagae	agtectegee ecceteaage ettegtgetg geattteteg agaaaatgea egceaacatt geaatggtt aagceeagat tagaeaceat tacagttgae ecgtatttet aggaaaccea	60 120 180 240 300 420 480 540 6600 720 780
<210> 136 <2112 4889 <2112> DNA <2113> Homo <220> <220> <323> Incy <400> 136 acttgagtct cctaaaaccc cagcacagcctgtgaagaa ctgaaggaag aanagctggt gaccagaagaag aatgtagtcc cagtaacagaag aatgtagtca cagcacatg	feature te ID No: 2: cgaaccactg cagccagg caccagg gctcgctcaa cgtcccgccagg gctcgctctaa cgtccccgc ttgatatcct atatacaga cattatacaga catcaatggc catcaatggc atcaaatgct gagcattgaacat gagcattga	catctccgac cggggcgcac ggaaccaggc cggggtgggc cgcgcgggc gtccatgaag attttgcga cccgaccaa cctgatggat cttgtagat cttgtagat tcaatattc gcacatactt tcctaactgt	aagccagcca tctgctccga gtcaagatga ctggtgcccc cagctactgg caagaattgc ttagtaaata ttggtggaat acactcatca atagagtata ttggatcgat atatttagtg gatgtggtag	gegcacetge gcagcetteg gagggeceg gagaggtgga actttggtte cetetteagt tecatgagaa acgutegaaa aagstegaaa aagatgectg tttacatgaa actcacagac cagtggteca	agtoctogoc cocctoaage cttegtgetg gcattteteg agaaaatgca egccaacatt gcaatgggtt aagcccagat taggacaccat tacagttgac ccgtatttet aggaaaccca agatgccttt	60 120 180 240 3300 420 480 540 660 720 780
<210> 136 <211> 4889 <212> DNA <213> Homo <221> misc <222> <223> Incy <221> misc <223> Incy <2400 136 acttgagtct cctcaaaccc cggcacgcgcc cagcacagt cgcaacagt aasgcacgagagaacagagagagagagagagagagagaga	feature te ID No: 2: cgaaccactg cagcccagc gcgcccccc cccgccagg gctcgccagc cttcttttg ttgatatoct autacaagat ctacaatggc atcaaaatct qatgaaccatga ggatgctctg	cateteegae eggggegeae ggaaceagge eeggggeegg egteetggg gteeatgaag atttttgega ecegaeceaa ectgatggat acaaggaate teaatattte gaeaattett teetaaetgt tgateagtat	aagcagca tctgctccga gtcaagatga ctggtgccc cagctactgg caagaattgc ttagtaaata acactcatca atagagtata attggategat atatttagtg gatggatgatgatgatgatgatgatgatgatgatgatatatttacat	gegcacetge geageetteg aggeggeeeg gagaggtgga actttggtte ctgtgagact cctcttcagt tccatgagaa aagttegaaa aagttegaaa actacagac cagtggtee ctcagaattecagat	agtoctegoc cccteaage cttegtgetg geattteteg agaaaatgea egecaacatt geaatgggt tagacecagat tagacaccat tacagttgac cegtatttet aggaaacca agatgeetta aaagttgac	60 120 180 240 300 420 480 600 660 780 840 900
<210> 136 <211> 4889 <2112> DNA <2113> Homo <220> <220> <2213> Incomplete in the control of the	feature te ID No: 2: cgaaccactg cagcccaggc gcaccactc cccget ctatttttg cattacaga cattacaga cattacaga catcaatggc catcaatggc catcaatggc catcaatggc catcaatggc gagacattg ggagaatttc	catchccgac cggggcgcac ggaaccaggc ccggggcggc gtccatgaag attitigcgaccaa cctgatggat cttgtagat acaaggaat tcaatatttc gcacattctt tcttaactt tcctaacttt tgatcagtat	aagccagcca tctgctccga gtcaagatga ctggtgccc cagcatactgg caagaattgc ttagtaaata ttggtggaat ttggtggaat ttggatgata atagagtata atagagtata atatttagtg gatgtggtag tatttacat atttaacatcg	gegeacttge gegecetteg aggeggeeg gagaggtgga acttggtte ctgtyggte cetetteagt tecatggaa aagttegaa aagttegaa atteatgaa ttacatgaa actcacaga caftggtca ctcatggttea	agtoctogoc cocctoaago cottogtygety geattteteg agaaaattgca cgcaacaatt geaattggtt aagcocagat tacagttgac cegtattet aggaaacca agatgcettt aaggctacact tectaccte tettacett	60 120 180 240 300 420 480 660 720 720 780 840 9960
<210> 136 <211> 4889 <212> DNN <213> Homo <221> misc <2221 misc <2221 misc <2223 Incy <400 136 acttgagtet cctcaaaccc cggacgcgc cggcacaagt cgcacaagt cgcacaagt cgcacagg ctgtgaaggaa aaaagctggt gaccayaaag aactgaggaag aactgaggaag aactgaggaag aactgaggaag aactgaggaag aactgagaag aactgagaag aactgagaag aactgagaag aactgagatg accacattg agctgatgt agctacatatgc catcatatgc catcatatgc catcatatgc	feature te ID No: 2: cgaaccatg cagcccagg cgccccct cccgccagg gctcgctcaa cgtccccgct cttctttgc ttgatatcct atatacagag catcatcaga ctcaatggct ctctattracga catcatcaga ctcaatggct ctctgatyaacca gaagcattga gaagcattga gaagcattga gaagcattga catcatgaact ctctttgaact ctctttgaact ctctttgaact ctctttgaact	catctccgac cggggcgcac ggaaccaggc ccgggtgggc ccggcgccggc gtccatgaag atttttgcga cctgacccaa cctgatggat tcaatattt cgacattctt tcctaactgt tgatcagtat agaccaacca atttagaat agaccaacca	aagccagcca tctgctccga gtcaagatga ctggtgcccc cagctactgg caagaattgc ttagtaaata acactcatca atagagtata ttggtagat tatttagtg gatgtggtag tatttacat atcacatcg gcaatgcggg	gegeaectge geagectteg aggeggeeg gagagytgga actteggte ectetteagt tecatgagaa aagttegaaa aagttegaaa actcacagae eagtggteea etcacagaat tgtatgttee caacagttga	agtoctegec coccteagec cttegtgetg geattteteg gagaaaatgea egcaacatt geaatgggt taagcaccat tacagttyac cegtattte aggaaaecca agatgeettt aagcttacattecaete cacacaggaa cacaggaga	60 120 140 340 3420 420 420 480 720 7840 960 960 960
<210> 136 <211> 4889 <212> DNN <213> Homo <221> misc <2221 misc <2221 misc <2223 Incy <400 136 acttgagtet cctcaaaccc cggacgcgc cggcacaagt cgcacaagt cgcacaagt cgcacagg ctgtgaaggaa aaaagctggt gaccayaaag aactgaggaag aactgaggaag aactgaggaag aactgaggaag aactgaggaag aactgagaag aactgagaag aactgagaag aactgagaag aactgagatg accacattg agctgatgt agctacatatgc catcatatgc catcatatgc catcatatgc	feature te ID No: 2: cgaaccatg cagcccagg cgccccct cccgccagg gctcgctcaa cgtccccgct cttctttgc ttgatatcct atatacagag catcatcaga ctcaatggct ctctattracga catcatcaga ctcaatggct ctctgatyaacca gaagcattga gaagcattga gaagcattga gaagcattga catcatgaact ctctttgaact ctctttgaact ctctttgaact ctctttgaact	catctccgac cggggcgcac ggaaccaggc ccgggtgggc ccggcgccggc gtccatgaag atttttgcga cctgacccaa cctgatggat tcaatattt cgacattctt tcctaactgt tgatcagtat agaccaacca atttagaat agaccaacca	aagccagcca tctgctccga gtcaagatga ctggtgcccc cagctactgg caagaattgc ttagtaaata acactcatca atagagtata ttggtagat tatttagtg gatgtggtag tatttacat atcacatcg gcaatgcggg	gegeaectge geagectteg aggeggeeg gagagytgga actteggte ectetteagt tecatgagaa aagttegaaa aagttegaaa actcacagae eagtggteea etcacagaat tgtatgttee caacagttga	agtoctegec coccteagec cttegtgetg geattteteg gagaaaatgea egcaacatt geaatgggt taagcaccat tacagttyac cegtattte aggaaaecca agatgeettt aagcttacattecaete cacacaggaa cacaggaga	60 120 140 340 3420 420 420 480 720 7840 960 960 960
<210> 136 <211> 4889 <2112> DNA <2113> Homo <220> <220> <2213> Incy <220> <2213> Incy <200 Inc <220> <200 Inc <	feature te ID No: 2: cgaaccactg cagccaggc gcccctc cccgcagg gctcgctcaa ctctctttgc ttgatatcct atatacagga cattatcaga catcaatggc atcaaatggc atcaaatgcc tcttgaacca gaagcatttg ggatgctctg ggaagatttc tcttttgaacc tcctttaaacc	catctccgac cggggcgcac ggaaccagg ccgggtgggc ccggcggcgtccat actgatggat cttgtagat acaaggaaccat ctcaatattc ccaatattc ccaatatttc gcacatcat tactacatgt tgatcagta tgatcagta tgatcagta tagaccaacca atttaagaact aataagggt	aagccagcca tctgotcega gtcaagatga ctggtgccc cagctactgg caagaattgc ttagtaaata ttggtggaat acactcatca ataggatgat ttggtggatgat ttagtatggtgg gatgtggtag tattttagtg gatgtggtag tattttacat gcaatgcggg gcaatgcggg atagtagtag atttacat attcacatcg	gegeaectge gegeecteg aggegecectg aggeggeceg gagaggtgga actteggtte ctgtyagaet tectetteagt tecatyagaa aagstegaa aagstegaa acteaagga acteaagga catygtea attgtatgttee caacagttg tgtatgttee caacagttg tggaaaag	agtoctegoe cocctoaage ettegtgetg geattteteg agaaaaatgea egceaacatt tagaatggtt aagcocagat tagacaccat tacagttgac cegtattet aggaaacca agatgeetta aagcetacatteteacacagaa agacettace acaccaggaa agacettace	60 120 180 240 360 420 480 660 720 730 840 960 900 960 1080
<pre><210> 136 <211> 4889 <2112> DNA <2113> Homo <221> misc <2221> misc <2221<!--2--> <2221> misc <2221> misc <2221<!--2--> <2221> misc <2221<!--2--> <2221 <2221> misc <2221 <2222 <222</pre>	sapiens feature te ID No: 2: cgaaccadge gagcccctc cccgccagg gctcgcccctc ctttttgc cttgatatoct atatacagag catcacatgg catcacacatgg catcacacacg caccacacacacacacacacacacacacaca	catctccgac cggggcgcac ggaaccagc ccgggtggccggcgtccatgaag acttttggac cctgaccaa cacagacat ctcatactgt ccaatattc tcctaactgt tgatcagtat agaccacca atttagaat aatagaggtgt	aagccagcca tcaagateg gtcaagateg ctggtgcc ctggtgccc cagctactgg caagaattgc cagcaatactgg caagatata tcactcatca atagagtata atatttagtg gatgtggtag tatttacat attcactcg gtagtggtag atttacatcg gcaatgcggg attgtgtgg atccctgaga	gegeaectge geagectteg aggeggeeg gagagytgga actttggtte ctgttgagaet tecatgagaa aagatyeetg tttacatgaa aacteacagae caggggtea ceagggtea cagtggtea ctgtatgtte tgtatgtte tgtatgtte tgtatgtte tggaaaaga tgtatgtte tggaaaaga ttattgacg	agtoctegoe coccteaage ettegtgetg geattteteg geaatage egcaaaattg egaatgget aagecagat tagaacacat tacagttgae eegtattte aggaaaccat tetteaecta ettetaactageaagacettace ectetttagt	60 120 180 240 360 420 540 660 720 840 900 1020 1020 1140
<210> 136 <211> 4889 <2112> DNA <2113> Homo <220> misc <221> misc <221 misc <222 misc <	feature te ID No: 2: cgaaccactg cagccaggs gctogctoa ggtogctoa ggtogctoa cgtocttag ttgatator tatacagag catrateaga catcacatgg atcacatggs gaagattg ggaagattt ggaagattt cttttgaacc cctttagaac cactgaagagagag gaaagagg cactgaac	catchccgac cggggcgcac ggaaccagge cggcgcggc ggccqcggc gtccatgaag attttgcga cctgatggat ctttgtagat acaaggaatc tcaatattc gcacatcctt tcatactg tgatcacta agaccaa atttagaat agacgacaca	aagccagcca tctgctcega gtcaagatga ctggtgccc cagctactgg caagaattgc tagtaaata ttggtggaat acactcatca ataggagtata ttggategat atatttagtg gatgtggtag attgttgtag attgttgtag attgttgttag atgttgttag attgtgtga attgttgttag attgttgttag atgttgttag atgttgttag atgttgttag atgttgttag atgttgttag atgttgttag atgttgttag atgttgttag atgttgttag atgttgttag atgttgttag atgttgttag atgatagtgtag attgttgtag attgttgtag atgatagtagtag attgttagtag attgttagtag atggataatt	gegeaectge gegeecteg aggegeecteg aggegyeceg gagagytgga acttggtte etgtyagaet tecatgaga aagstygea acteagagae acteagagaetggtea acteagaetggtea acteagaet tgtatyttee caacagttggtea tggaaaagattattgaecg ceggaatge eceggaatg	agtoctegoe cocctoaage ettegtgetg geattteteg agaaaatgca egcoaacatt tageacegat tageacegat tageacegattace aggaaacea agattgac ectattet aagettaca tecacegaaa agacettace cecetttagt tectttgget	60 120 180 300 300 360 420 480 660 660 660 780 840 990 1080 1180
<pre><210> 136 <211> 4889 <2112> DNA <2113> Homo <221> misc <2221> misc <2221< misc <2221<</pre>	feature te ID No: 2: cgaaccay cagaccay gagcccay cgcccctc cccgccay gctcyctcaa cgtccccyct ctttttgc cttgatatcct atatacay catcatacay catcacat gagcatcy caccat cyacac ctcttty cyacac ctctty cyacac caccac ccttacac ccttacac cccttacac c	catchccgac cggggcgcac ggaaccaggc ccggcgcggc gtccatgaag attittgcga cctgaccaa cataattc tcctaactgt tgacacttct tcctaactgt tgatcagtaa agacgacaaca atttaggat aattaggat aattaggat aagggggtt aaggccgtgt aaggccgtgg aatttctcgt	aagccagcca tcaagatga tcaagatga ctggtggcc cagctactgg caagtactgg cagtactgg caagtactac acactca atagagtata attgatcgat atttattagtg attggtgag attgtgtg gcaatgcgg attgttgtgca atcactca atcacatca atcacatca atcacatca atcacatca atcacatca atcacatca atcacatca atcacatca atcacatca gcaatgcgg attgttgtca cccctgagaa atggataatt	gegeaectge geageetteg aggeggeeg gagaggtgga actttggtte ctgtyagaect cctetteagt tccatyagaa atgtegaaagtgeeg tttacatgaa aagatyectg acttacaggae actacaggae catgtgtcc catgtgtatgtcc catgtgtcc cat	agtoctegoe coccteaage ettegtgetg geatteteg ggaaaatge eggaaaatge eggaaaatge tagaacaga tagaagtga agaccaga ttagaaccat tacagttgac eggtattte aggaaaccat tacagttgac etteacete agaagecttaca etctcacete caccaggaa agaccttace etctttggt tectttgggt	60 120 180 1240 300 420 540 650 720 900 1020 1020 1140 11200 1200
<pre><210> 136 <211> 4889 <2112> DNA <2113> Homo <221> misc <2221> misc <2221< misc <2221<</pre>	feature te ID No: 2: cgaaccactg cagccaggs gctogctoa ggtogctoa ggtogctoa cgtocttag ttgatator tatacagag catrateaga catcacatgg atcacatggs gaagattg ggaagattt ggaagattt cttttgaacc cctttagaac cactgaagagagag gaaagagg cactgaac	catchccgac cggggcgcac ggaaccaggc ccggcgcggc gtccatgaag attittgcga cctgaccaa cataattc tcctaactgt tgacacttct tcctaactgt tgatcagtaa agacgacaaca atttaggat aattaggat aattaggat aagggggtt aaggccgtgt aaggccgtgg aatttctcgt	aagccagcca tcaagatga tcaagatga ctggtggcc cagctactgg caagtactgg cagtactgg caagtactac acactca atagagtata attgatcgat atttattagtg attggtgag attgtgtg gcaatgcgg attgttgtgca atcactca atcacatca atcacatca atcacatca atcacatca atcacatca atcacatca atcacatca atcacatca atcacatca gcaatgcgg attgttgtca cccctgagaa atggataatt	gegeaectge geageetteg aggeggeeg gagaggtgga actttggtte ctgtyagaect cctetteagt tccatyagaa atgtegaaagtgeeg tttacatgaa aagatyectg acttacaggae actacaggae catgtgtcc catgtgtatgtcc catgtgtcc cat	agtoctegoe coccteaage ettegtgetg geatteteg ggaaaatge eggaaaatge eggaaaatge tagaacaga tagaagtga agaccaga ttagaaccat tacagttgac eggtattte aggaaaccat tacagttgac etteacete agaagecttaca etctcacete caccaggaa agaccttace etctttggt tectttgggt	60 120 180 1240 300 420 540 650 720 900 1020 1020 1140 11200 1200

tetgagteta	tagaaaaact	tccagttttt	aacaagtcag	ccttcaaaca	ttatcagatg	1380
agetetgagg	ctgatgactg	gtgtatccca	accadddaac	caaagaacct	ggcaaaagaa	1440
ataaccatat	gaagagggac	actraggaca	ctttacccc	trasantono	tetacaccac	1500
	tgaatgtttg					
	taatcagaac					
gagaacttag	tgcaagacta	caggagttaa	cagatggcca	gctccttatt	ttttaatgta	1680
	tgagtttata					
	taagaaaggg					
	gcctcttgtt					
	aggattaaaa					
cattttgaac	atatttatgt	gctatggaag	gaaatgctgg	tgactaaaat	aaggtttact	1980
	aggaatttta					
	tattcaaagt					
	ataaaaacac					
	acttattgtc					
ctcgggatgt	tggggattgg	agagagagaa	ttgccaaagt	aacagcaaaa	atatctctta	2280
ctttacttta	tttataaata	aattagtaga	ttqqaaaaac	tagtgttagg	gaaagaaatc	2340
	agcctaattc					
	cattttctag					
	cattaatatg					
ttagaattta	agtacctttt	agagtaatta	ttttaagcaa	atagcctgga	cgtaagagat	2580
tctcatgcca	gcatgctttc	atttqtcaqt	tgttgtgact	gagagataat	gaatgacacc	2640
tgaaatgcat	atggtatttt	tangagagtt	aaggtataat	ttgaaggttg	deadaceart	2700
	actcttagag					
	gaagagaggg					
	aatctgtatt					
tgaaagcagt	atggattctt	taaatgcctc	tcactcttac	aagatagtag	gctttgagat	2940
aataaactta	cccgtgtcaa	ttaacattta	aactggcata	tagaaaaaaa	ggaggatttt	3000
	aaaataatca					
	tagtgttgtg					
	gtttttatca					
	catttctgat					
tttttactga	aatttgagct	aaacattttt	acatgtaaat	acttgtattt	accaaagatt	3300
taaatcagtt	gattaattaa	ttaactcaaa	tactgtgaac	tatctctaaa	acactagaaa	3360
aaagaaatgt	tagtatctca	attacaccaa	ctgtgcaaat	gaactttgat	aaaatagaaa	3420
	tggcctttgt					
	aggcccactt					
	aatgtgataa					
	ttaaaaataa					
atagtacaat	ctccaattca	aagctaatct	ttgtatttct	gtattttgca	acttttgagc	3720
tagaatcttc	ctccctatcc	aactatacto	ttatotaacc	ccattotttt	aacatttaac	3780
aatacaactt	gggtattctc	tgacaagcaa	gaatatatac	tattgatcac	ttctatacac	3840
	cagttcaaat					
	tettttgaaa					
	aagactctcc					
	tcaccattta					
tacctcagtt	tacacaggga	gaaccaaggc	acactgtgag	atcttgccag	ggccagagtg	4140
	agettetgae					
	aatgatagga					
	taaaaagttc					
	agttaaaacc					
	aaacgagaat					
ggggctttga	taaaatcact	ttaaaagaag	gatetetete	ttaaaacaac	ccttaaacat	4500
cttatttttt	ccccctcata	agacccctgt	gaggtagaga	gcacttactt	acagggatga	4560
	taaagttaag					
	aaagcattgg					
	gacaagtgga					
	aaggacttgg					
gtctgggtat	tgaaatgctc	agctgaaggg	aatatatgca	atatgttctc	ataagaccat	
gtgggaaaaa	gcagaggcat	aaaagagct				4889

<220>

<210> 137 <211> 1637 <212> DNA <213> Homo sapiens

```
<221> misc feature
<223> Incvte ID No: 256043.19
<400> 137
ggggggtgee ggeegaacce agaeeegagg ttttagaage agagteagge gaaetgggee 60
agaaccgcga cetcegcaac ettgagegge atecgtggag tgegeetgeg cagetacgae 120
cgcagcagga aagcgccgcc ggccaggccc agctgtggcc ggacagggac tggaagagag 180
gacgoggteg agtaggtgtg caccagecet ggeaacgaga gegtetacee egaactetge 240
tggccttgag gtggggaagc cggggagggc agttgaggac cccgcggagg cgcgtgactg 300
gttgageggg caggecagee teegageegg gtggacacag gttttaaaac atgaateeta 360
cacteateet tgctgcettt tgcctgggaa ttgcctcage tactetaaca tttgatcaca 420
gtttagagge acagtqqacc aagtggaaqq cqatqcacaa caqattatac ggcatqaatg 480
aagaaggatg gaggagagca gtgtgggaga agaacatgaa gatgattgaa ctgcacaatc 540
aggaatacag ggaagggaaa cacagettea caatggccat gaacgcettt ggagacatga 600
ccagtgaaga attcaggcag gtgatgaatg gctttcaaaa ccgtaagccc aggaagggga 660
aagtgtteca ggaacetetg tittatgagg ceeccagate tgtggattgg agagagaaag 720
getacgtgae teetgtgaag aateagggte agtgtggtte ttgttggget tttagtgeta 780
ctggtgctct tgaaggacag atgttccgga aaactgggag gcttatctca ctgagtgagc 840
luggigetti saasujatas arijettigga amaatiggaga jettatitta tigajigagi aqa
aqaatitggi saasujatiga gogataatig gogatigaang cigoaatigi goctaatigi 900
attatyotti coagtatigit oagataatig aggootiga ototgaggaa tootatocat 950
atgaggo
gettigtgga cateectaag caggagaagg ceetgatgaa ggcagtigea actgigggge 1080
ccatttetgt tgctattgat gcaggtcatg agtccttcct gttctataaa gaaggcattt 1140
attttgagec agactgtage agtgaagaca tggatcatgg tgtgctggtg gttggctacg 1200
gatttgaaag cacagaatca gataacaata aatattggct ggtgaagaac agctggggtg 1260
aagaatgggg catgggtggc tacgtaaaqa tqqccaaaga cgqaqaaac cattqtggaa 1320
ttgcctcagc agccagctac cccactgtgt gagctggtgg acggtgatga ggaaggactt 1380 gactggggat ggcgcatgca tgggaggaat tcatcttcag tctaccagc cccgctgtgt 1440
cggatacaca ctcgaatcat tgaagatccg agtgtgattt gaattctgtg atattttcac 1500
actggtaaat gttacctcta tittaattac tgctataaat aggtttatat tattgattca 1560 cttactgact tigcattitc gttittaaaa ggatgtataa atttitacct gttitaaataa 1620
aatttaattt caaatgc
<210> 138
<211> 8249
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incvte ID No: 445012.6
<221> unsure
<222> 4150-4244, 8100-8103, 8105, 8107, 8109-8110, 8115, 8120, 8127, 8131,
8137, 8150, 8155, 8157, 8180
<223> a, t, c, g, or other
<400> 138
gaagggatga cgaggccctg agcaccgatc catgcccacg cctgtgggat gaaagctgat 60
atgaggagge ccaqqqqacc tqaqqqaqte qqctccctct qctacctcct qtctcttqaq 120
tatectgtga tegtgacetg tecattecea ceagtgeagg ggtecatgag ecceeaaage 180
cttagecceg tgggecceae ggagtgageg geatgeagea ecceegggee tgtecagtgt 240 ectetggeet getgecetge acceecagaa ggecetgaeg ecetggggea ettetgetet 300
gcacaggacc acgcgggggt ttqccatqqt qacataaaqq gqcqcqqaqq aaqqaaqqaq 360
ogtgaccage etgtggactg egeccetgge tgggaggaag gactggggge ccagatecte 420
cacteceagt.geceeacaag qqcgtcqctt cctaaqtete tqtqaatttq ttqqtcaqtq 480
gacgattete gtgteteete etgtgtgggg cettggggta gecagggeag geegggeete 540
gargatette gytetetet etgaggag ceaggatge etgeetigge atgeeteegg aggetigte 600
ggeaogtigte eeegaagget gteetittee tgetigteat ettetgeetig teaagegitt 660
ggeaogtigte eeegaagget gteetittee tgetigteat ettetgeetig teaagegitt 660
teatetegge etaetaeeta tatggetigga agegaggeet ggageeetig geggatgee 720
eegageetig etgegggae eegeegeetig tiggeeeecag tegeetigetig eeaeteaage 780
ctgtgcaggc agccaccct teeegcacag accepttggt getgqtettt gtggagagec 840
tetaetegea actgggeeag gaggtggtgg ceatectgga gtecageege tteaaatace 900
gcacagagat tgcgccgggc aagggtgaca tgcccacgct cactgacaag ggccgtggcc 960
gettegecet catcatetat gagaacatee teaagtatgt caacetggae geetggaace 1020
gggagetget ggacaagtae tgtgtggeet aeggegtggg catcattgge ttetteaagg 1080
```

ccaatgagaa	cagectgetg	agtgcgcagc	tcaagggctt	cccctgttc	ctocactcaa	1140
				gctgctctac		
				gacggttttc		
torrererer	cyayccaycy	ctgetggeea	agacgegete	gtctgagtcc	accecacace	1320
tgggcgcaga	egeeggeetg	catgetgeac	tgcacgccac	tgtggtccag	gacctgggcc	1380
				gaacttctgg		
ttgtcttcgt	ggatgccgtg	gccttcctca	cggggaagcg	cctctccctg	ccattggacc	1500
gctacatcct	ggtggacatt	gatgacatct	tegtgggcaa	ggagggcaca	cgcatgaagg	1560
tagaagaagat	gaaggeetg	tttgacacac	agaacgaact	acgcgcacac	atcccaaact	1620
tcaccttcaa	cetgggetae	tcagggaaat	tettecacae	aggtaccaat	actagagaca	1680
ctagagatas	tetectecte	tcatatataa	aggagattata	ataattaaaa	geogaggaeg	1740
orggggarga orggggarga	eccyccyccy	ttanagaga	aggagacccg	gtggttcccc ggccgagcag	- beer - abban	1000
gccacacgca	geeceaceri	tteeacaace	agteegtgtt	ggccgagcag	atgyecttga	1000
				ggggtatgca		
				ggcttggaag		
				gccagcccgc		
gcttcatcca	caatggcatc	atggttctcc	cacqqcaqac	ctgcggcctc	ttcacacaca	2040
ccatcttcta	caacgagtac	cctaacaact	ccagtgagct	ggacaagatc	atcaaccccc	2100
gcgagetett	cctcaccata	ctcctcaatc	ctatcaccat	cttcatgacg	cacctotcca	2160
				cctggtgcgc		
				gttggcgcag		
agatettete	cgaggagaag	gacccgctct	ggcaggaccc	ctgcgaggac	aaacgtcaca	2340
aagacatctg	gtccaaggag	aagacgtgtg	accgcttccc	aaagctcctc	atcatcggcc	2400
				catgcaccct		
gcaactaccc	cagetetgag	acctttgagg	agatccagtt	ttttaatggc	cacaactatc	2520
acaaaggcat	cgactggtac	atggagttct	tecccatece	ttccaacacc	acctccgact	2580
tetaetttea	daaaaacccc	aactacttto	attcagaagt	ggcgccccgg	cadacaacaa	2640
contettace	neenneesen	atactasaca	tecteateaa	ccccgcggac	connectatt	2700
cotaateaae	augusauus	gaaaataaaa	aggaagtggg	cctaaagtac	aggiocato	2760
aggtgatta	gcaccagcga	geccatgacg	accoagtggc	tgccctccag	accetecatg	2020
				cagtgcctat		
agattctggt	cttggatggc	aaactgcttc	gcacagaacc	tgccaaagtg	atggacatgg	2940
tgcagaagtt	ccttggggtg	accaacacca	ttgactacca	caaaaccttg	gcgtttgatc	3000
caaagaaagg	attttggtgc	caactgcttg	aaggaggaaa	aaccaagtgt	ctgggcaaaa	3060
gcaagggccg	gaaatatccc	gagatggact	tggattcccg	agcetteetg	aaggactatt	3120
				gatgggccag		
				gccaccacag		
				gacctgcaga		
ggaccagggc	agetgegeae	ccacgagcaa	tactctgtgg	aggtctggtg	gggerggggg	3420
agcacccagg	eggatetgea	ageaectegg	ageaeceaec	getgggtetg	cggcctaagg	3420
				ctcctgggga		
				tgtgttccgc		
ctctcgtcac	ccatcactcc	ctgcttccgc	agggcgcccc	tcagtattcg	ctgccatatg	3600
tecetgteet	ccaggctgta	ggggaggaga	geetggeegg	gggagacaga	ctggacattt	3660
ccctatttca	agccaggete	ttccaagggg	ccagetgggt	ccccggagtc	agtcctaggc	3720
tagatagaaa	autanegece	traanagrac	teccarecte	cacatctggt	tectacette	3780
acatctcacc	ctcccattat	dadagaggae	ttataattaa	tacagtatcc	actocatocat	3840
				gggcccagtt		
				tgtttcctgt		
tgaggcaggc	caggggtctg	ccagtaacat	gtteccatgt	acagacacgg	tccccacacc	4020
				agactgccag		
				aacctcccaa		
gctaaaatan	nnnnnnnnnn	nnnnnnnnn	nnnnnnnnnn	nnnnnnnnn	nnnnnnnnn	4200
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnatgtgt	atatatatat	4260
attctatttt	ttttaattaa	atteatttt	aattcactcc	tacaaaatgg	tantaaaccc	4320
cantataann	autragrata	tottamanat	agenetasag	tggcagggag	aggaaatata	4380
at at any	couggggetg	agragacett	ayyaayyygc	cctccccagt	googlaggolg	4500
				cagggaagac		
				attttggcca		
				acccactctc		
tgctaggctg	ggagetgeee	tgagagetgg	gatgcccacc	aaggcccaca	gaactgtctc	4680
caggecetta	tagacagtgg	gatetetggg	ctgatttctg	gttggggtct	getectacce	4740
				ctctccctgg		
ctoccaaatt	ctacttccct	ctgaacccca	ggaaatactt	tetggagagg	chtatettat	4850
traraarart	ataggatatt	aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	gataatttaa	cgggtatgaa	adaggt coage	1920
				ctgggagcag		
tonnaggygdgg	- cygocougott	ggccgacgtc	acgyayccag	ccygyaycag	ggetgagegt	2000 2000
cyaacccgag	geteeeggtt	ccaagcccca	cogugeteet	cttccaatgc	cacactgeet	2040
orgageceat	cerragagee	ctactctgtg	ccaggttcct	gtecetteet	ccgtcacage	2100

tcteattecg agg agcotylggg gge atgaagaag trag agcotylggg gge atgaagaag trag agcotylggg gge atgaagaag trag aggetageaat aggetageaat agggetaggaat agggetaggaat agggetaggaat agggetaggaggg ggt acaaggaaga aggatgtaggagaagaggtggagaatgggggggagaagaggag	gatatag ggacaaaaag gagaaag gagagaa atcaat ctacat gagtgt acctagag gagaga atcaat ctacat gagtgt acctagag gagaga atcaat gagagaa ataagt bagagaga agagaaaa atagat tagagagaa aagaat aagat tagagagaa aagaat aagat tagagagaa aagaat gagagaga	gtogtyttot tgattocott gctgoaggtg caggatggca ttacaggag gtattott tettetotgctgoaggtg gtattotgagat ttacagagag gtattotgagat tettetotgagat tettetotgagat tettetotgagat cagatgagag gccaagatgag ggccaagatgag ggccaagatgag ggccaagat ggtccctc agatctaag ggccaagat agatctaag gagtctaag ttatttacaat ttattacaat ttatttacaat ttatttacaat ttattacaat ttttatacat ttattacaat ttttatacat ttattacaa ctcctaagag tcatttgca gaattggc tattgagagag ttcagaacga ttggagatga ttcagagatga tagagatga ttcagagatga tcatgagatga tcatgagaaga tcatgaaaga tcatgaaaga tcatgaaaga tcatgaaaga tcatgaaaaga tcatgaaaaaga tcatgaaaaaga tcatgaaaaaaga tcatgaaaaaaa tcatgaaaaaa tcatgaaaaaaa tcatgaaaaaaa tcatgaaaaaaa tcatgaaaaaaa tcatgaaaaaaa tcatgaaaaaaa tcatgaaaaaaaa tcatgaaaaaaaaa tcatgaaaaaaaa tcatgaaaaaaaa tcatgaaaaaaaaa tcatgaaaaaaaaa tcatgaaaaaaaaa tcatgaaaaaaaaaa	coctogaggg ttotccagtt gtttcactgt gtttcactgt gtttcactgt gaacttgggc tgcttgactg gggcatcya ggcattggacg ggcattggacg ggggatgta ggggagggagg cattgagagg ttottaaaastg aaggaagcca taccagagg ttottaaaatg tgcatgttt tttaaaatg tgcatgttt tttaaaatg tgttttt ggtttttt gattgttt tttaaaacg tgcatgttt tttagagag ggggac ggggatg ggggag ggggggg ggc tggacagtg tggagaggg gggggggg ggggaggg ggggggg gggggg	gtecttecce ctetgefgg gtacacagea ategrtygg thecagaget th	5220 53400 5460 55280 55280 55280 55280 55280 55280 55280 55280 5520 552
tggggcaata ttt <210> 139	gaatagn actgaagago tcaccag tgtcctctg	: aytcactcga	gycactgcta	yaacagtcae	8220 8249
<211> 1248 <212> DNA <213> Homo sap	iens				
<pre><220> <221> <221> misc_feature <223> Incyte ID No: g463906</pre>					
gccgccatgc gcg	tecaaat ttgagggee acaggac ccacgaget tegeget ggtggtgea	agacaggggg	atgacagete	ggacgaagag	120

```
gaggagttet tecacaaggt eeggacaatt egteagacta theteaaact ggggaataaa 240
gtccaggagt tggagaaaca gcaggtcacc atcctggcca cgccccttcc cgaggagagc 300
atgaagcagg agetgeagaa eetgegegat gagatcaaac agetggggag ggagateege 360
ctgcagctga aggccataga gccccagaag gaggaagctg atgagaacta taactccctc 420
aacacaagaa tgagaaaaac ccagcatggg gtcctgtccc agcaattcgt ggagctcatc 480
aacaartgca attcaatgca gtccgaatac cgggagaaga acgtggagcg gattcggagg 540
cagotgaaga toacoaatgo tggcatggtg totgatgagg agttggatca gatgotggac 600 agtgggcaaa gogaggtgtt tgtgtocaat atoottaagg acacgoaggt gactogacag 660
geettaaatg agatetegge eeggeacagt gagateeage agettgaacg cagtattegt 720
gagetgeacg acatatteac tittetgget accgaagtgg agatgeaggg ggagatgate 780
aatcogatto agaagaacat ectgagetea geggactaeg toggacgtog geaggageae 840
gtcaaqacqq ceetggagaa ecaqaaqaaq gtqaggaaga agaaagtett gattgccate 900
tgtgtgtcca tcaccgtcgt cctcctagca gtcatcattg gcgtcacagt ggttggataa 960
tgtcgcacat tgttggcact aggagcacca ggaacccagg gcctggcctt ctctcccagc 1020 agcctggggg gcaggcagag cctccagtcg gaccccttcc tcacacactg gcccctatgc 1080
agaagggcag acagttette tggggttgge agetgeteat teatgatgge etecteette 1140
aggeeteaat geetggggga ggeetgeact gteetgattg geegggaeac aeggttttgt 1200
<210> 140
<211> 3737
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 475621.1
<400> 140
ctcccgagct gcgctaggcg ggcgccacgg ctgcccggcg aaggaaaccg aaaccgagtc 60 cgggcccgtc cctccgcggc cccatccgcc cggtgcaccc ggggtcgcg tcgccaggcc 120
geggageeca gagetgegeg cacqaaccqt gegeegggag ggegtgggeg tggegeegaa 180
gggtcccgag tettcgacge ctetgcggcg gctcctccct ccttgcagtt ggatccctgg 240
cgggtgegge ceggeeeggg eeegtgageg gegeacagaa tgggeegatg etgettetae 300
aggragggga cgrtgtcoct gotectgotg gtgaccaggg teacgctgct ggtggcccgg 360
gtcttccaga aggotgtaga ccagagtatc gagaagaaaa ttgtgtttaag gaatggtact 420
gaggcatttg actoctggga gaagcccct ctgctgtgt atactcagtt ctattcttc 480
aatqtcacca atccaqaqqa qatcctcaqa qqqqaqaccc ctcqqqtqqa aqaaqtqqqq 540
ccatacacct acagggaact cagaaacaaa gcaaatattc aatttggaga taatggaaca 600
acaatatctg ctgttagcaa caaggcctat gtttttgaac gagaccaatc tgttggagac 660 cotaaaattg acttaattag aacattaaat attoctgtat tgactgtcat agagtggtcc 720
caggtgcact tectcaggga gateategag gecatgttga aagectatea geagaagete 780
tttgtgactc acacagttga cquattgetc tggggctaca augatgaaat cttgtccctt 840
atecatottt teaggeega tateteteee tattttggge etattetatg agaaaatgg 900
gactaatgat ggagactatg tttttctaac tggagaagac agttacctta actttacaaa 960
aattgtggaa tggaatggga aaacgtcact tgactggtgg ataacagaca agtgcaatat 1020
gattaatgga acagatggag attettttea cecactaata accaaagatg aggteettta 1080
tgtetteeca tetgaettit geaggteagt gtatattaet tteagtgaet atgagagtgt 1140
acagggaetg cetgeettte ggtataaagt teetgeagaa atattageea atacgteaga 1200
caatgeegge ttetgtatae etgagggaaa etgeetggge teaggagtte tgaatgteag 1260
catetgcaag aatggtgcac ccateattat gtetttecca caettttacc aagcagatga 1320
gaggtttgtt tetgecatag aaggcatgca cecaaatcag gaagaccatg agacatttgt 1380
ggacattaat cotttgactg gaataatcot aaaagcagcc aagaggttcc aaatcaacat 1440
ttatotcasa asattagato actitottos ascoggagae attagaacca toottitecc 1500
agtgatgtac ctcaatgaga gtgttcacat tgataaagag acggcgagtc gactgaagtc 1560
tatgattaac actactttga tcatcaccaa cataccctac atcatcatgg cgctgggtgt 1620
gitettiggt tiggttitta cetggettge atgeaaagga cagggateca tggatgaggg 1680
aacageggat gaaagagcac cectcatteg aacctaaaca ttgcctttgc ttggtgaaga 1740
aactgtgtga getgteetga eetggaegat gaegtgggga aaceeteeae eteettgeag 1800
gettgttgee tgttgaaaga aggaaaaaga caeggegetg geaagtgata ggaacattet 1860
ggccagaggt taaagagcag gctgacatgg ctggccatta agctttataa aatcatgtgg 1920
gctctgaaat tqttctttta tgtgtctagc aagtatttaa taaacccttg tatagtaatt 1980
ttgttgttgt tgggtgetgg tagetecaga attttgtgac cactattgtg ggtaaaatgt 2040
ctctgcatca cttgttaatg ctactggtct aacttcattc agtatgcttc attcaccgaa 2100
ctttgtgctc aaaatgcgta tataccattt tatgttgtat tcctccattt cacttgcaaa 2160
acagaagtaa ataagagtte gggacccagg gtaaaatggt agetteatee aatatateat 2220
tcaaatqcat ctgatttcta aaacatatta cattttatqc tqatcttcag ttcataattc 2280
```

```
ttccaggaaa actcagtctt ccaactgcaa taaaatactg ggtagaatca aatgggaaag 2340
gggttgggtg gggcaatacc catgagttga tagtgataag etcetaagga Ettitaactt 2400
gtactttigt gaacgaagag aatgcataaa taatgttggt gaggataaag tacagatatt 2450
tcatgtagaa ttaattgcta gttatgatgc ttgtggatag ttaactgttt tittittagt 250
caaaatgate atgetaegaa aagatgette tqaqaqaatg taatgaqtaa etgattttte 2580
ttectgagte geeettgeca aatatgttac tgtattaatt aatetaatat tgagtgatta 2640
ttettgaggte geeettyeea aarayttat uytattaatt aatetaata yayryatta
tttytaaaat tatgaatat ggaaatocat tatotacag octaagttaa caataagtt 2700
cagaaagtet gattagacta aagagatatt tettetggga cageettett ettgagtate tettacagt tettgagatte
actgtcactc actgaataga gaaacgtgtg ccctatactt cctgtgacaa tcattttgct 2880
gacagaatga tggatgttta aaatattgca caaagtactt taaagaaagg tctgttagga 2940
ccagaagcag agacaccact tttcaaagga cttcttggtt tcagcataac ctaagacagg 3000
gaattgggag ccatcatatg tcacagtgtt cagaattcaa gcatatttaa gggcattttc 3060
tttgattctc aaagttcagc attcattttg aattgagaag cctatacatt tagctgacaa 3120
agtgcttata gaatttctta acaactgaac cattcaaaag gattttttt gtttaaaact 3180
ggatttcaat gtaagcaaat gaagaaaaa atatagattt catttccata gcttcttatc 3240
cctgtattga ggtaataaat tgttttactg acaatttttc ctttttctac actaaaacaa 3300
tatgtgatat atttcccctc ttgaagaggc aattcattaa actctcaaat tttctataga 3360
atcaagatag aacctttaga tactccaaact caccaaaatg taaaaaaact aacaaaaata 3420
tttggtcttc aataatgcta aatatctaca tttttagaat ttatcaacat ttaactagat 3480
aattgggcat gtcttaatta tgcatgtact tatccatact aataaaattg acaatgctag 3540
tgcatactta ttggtttagt octattatca ggatataatc atctgtgagg aggatatttt 3600
aaatactgta aatgataaca gttaatgata tacacattta gattgagttg cacactggca 3600
gggagaccaa aaacattact tccatacttg tgtcatgatt cttttttttt tgagagagtc 3600
tcactctgtc gccaggc
<210> 141
<211> 4193
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 216063.17
<220×
<221> unsure
<222> 1626-1649
<223> a, t, c, g, or other
<400> 141
tgcgcgcgcg cggccctccc tgctccttcg caccagcccc caaaccaact tgtccccatc 60
aactecatet ttetagteee cacetteeee ggtgeagaca ceeggegaag ceaceeggtt 120
tteccagegg catttecgat gacagetteg gggetaegtg teetgtgetg teggagaege 180
acaggaagea aagtttgtga gaageettgg gggegaettt geettgggea ceegcatttg 240
tgogtctgog aggtgcctcg gtgtgcgcgg agctagtttc ccagtttccc gggcccctcc 300 cttctccgag cccctctagc gatttgttta ggaaaagtga tgacatgaac tagtagtgga 360
ggagetggaa geaggeteee ggetgagege eecageeega aaggeagggt etgggtgegg 480
gaagaggget eggagetgee tteetgetge ettggggeeg eecagatgag ggaacageee 540
gattigocty gitcigatte tecaggetyi egigytiyin gaatgeaaac gecagcacat 600
aatggaaaca ggaactgaag accettecag catycoagag gaaagttece ceaggeggae 660
eccgoagage attoectace aggacetece teacetygie aatgeagaeg gaaggiace 720
cttctgcagg tactgggaaa cccacaggca cacccaaggc cctcatcttt gtgtcccatg 780
gagooggaga gcacagtggc cgctatgaag agctggctcg gatgctgatg gggctggacc 840
tgctggtgtt cgcccacgac catgttggcc acggacagag cgaaggggag aggatggtag 900
tgtctgactt coacgtttte gtcagggatg tgttgcagca tgtgggattc atgcagaaag 960
actaccttgg gcttcctgtc ttccttctgg gccactccat gggagggoca atcgcaactc 1020
tcacggccgc agagaggccg ggccacttcg coggcatggt actcatttcg cctctggttc 1080
ttgccaatce tgaatctgca acaactttca aggteettge tgcgaaagtg ctcaaccttg 1140
tgctgccaaa ettgtccctc gggcccatcg actccagcgt gctctctcgg aataagacag 1200
aggtegacat ttataactea gaceeectga tetgeeggge agggetgaag gtgtgetteg 1260
geateeaact getgaatgee gtetaeggg tggagegee eetceesag etgaetgige 1220
cetteetget geteeaggge tetgeegate geetatgtga eageaaaggg geetaeetge 1320
tcatggagtt agccaagagc caggacaaga ctctcaagat ttatgaaggt gcctaccatg 1440
ttctccacaa ggagcttcct gaagtcacca actccgtctt ccatgaaata aacatgtggg 1500
teteteaaag gacagecaeg geaggaactg egteeceaec etgaatgeat tggeeggtge 1560
```

ccggctcatg	gtetggggga	tgcaggcagg	ggaagggcag	agatggette	tcagatatog	1620
ettgennnnn	nnnnnnnn	nnnnnnnnt	tggagaaatc	cttaacacaa	ttttctaaaa	1680
	atttttgtta					
	gcaaaaaaag					
	aaaacaaagc					
	tggtgttccc					
	geteaegece					
	gatgaggtgg					
cataccecte	tgaggeteag	aaaatoccca	accettecte	aaaatgagga	accacccata	2100
actttgtggg	ctccttgtta	acctagaacc	aggetttgea	asaaaacaaa	gaatgaaget	2160
	ggagaactga					
	gggaggetea					
tttcctctag	agtcactaat	trtacctoat	actataaaaa	aatcatatto	aanatnaaat	2340
	taatgtatat					
	ttgagggaat					
	ggggccagag					
	tgggcctttc					
	tggcacccta					
	taccctggga					
agranagage	cagcacagca	acadadagaga	cattactata	gotatototo	taggoaggag	2760
	agcagggact					
	gcctcaccca					
gotggggaatg	geetgeeett	atasaataaa	aataccago	gaggagtaga	attagaataa	2000
	gcaataagtg					
taggacttac	tgttacctca	gggttcacca	tagtgcaaat	atraccetro	tanaganttt	3060
	aagccctgca					
	ccaggacccc					
	gggaactgcc					
	gtgcccctcc					
assaggagaga assaggagaga	ccctgctgaa	accondition	tageagecee	gattacacca	gagagecag	3360
gaacgggcca	aggtgggggc	ttaattaata	aggggggg	aggagecaa	geocteacce	3730
	gettgtetee					
	geceegeetg					
gagaaagcca	aaccctttcc	anagedage	agatgaagta	gggcagccat	totaattoto	3240
	tgatagagca					
antantata	atggcatcac	ggccacacaa	attenatate	cccccccgcc	gtcccccca	3720
	tgcatgaatt					
	tgcattcctg					
aattoooct	gtcatgttat	gccaaagaac	caccaacacc	addatadaa	attacacatta	3000
cctccacttc	caggtggtgc	tagaatasaa	aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	taataaataa	tatassasa	3960
	cacctccagg					
ttactaacat	agacettgtt	gggatgagg	tagatagasa	ggaggatatt	gggt tagtat	4000
	ctcagtcaca					
	aggaatcagt					4193
ougugouau	aggaaroage	guadacada	gottaatooct	datadattooo	gue	4200
<210> 142						
<211> 750						
<212> DNA						
<213> Homo	canione					
AZ ISP HOMO	papiens					
<220>						
<221> misc.	feature					
<223> Incv	te ID No: 1	099498.9				
<400> 142						
gctaagggaa	gtgcccggga	ccccacctda	ccccaacact	cacgggacag	qqqcaqaqqa	60
	ggtggacaga					
	cetgeeeege					
			cagagtgccc			
		ctaataataa	ttctqtcqat	cqtcttqqaa	adcccadccc	
	geteeeggte					
cageceaggg	geteceggte gaceceagae	gtctccagtg	ccttggataa	gctgaaggag	tttggaaaca	360
cagcccaggg cactggagga	geteeeggte gaeeecagae caaggetegg	gtctccagtg gaactcatca	ccttggataa gccgcatcaa	gctgaaggag acagagtgaa	tttggaaaca ctttctgcca	360 420
cageceaggg caetggagga agatgeggga	geteeeggte gaeeeeagae caaggetegg gtggttttea	gtetecagtg gaactcatca gagacattte	ccttggataa gccgcatcaa agaaagtgaa	getgaaggag acagagtgaa ggagaaacte	tttggaaaca ctttctgcca aagattgact	360 420 480
cageceaggg caetggagga agatgeggga catgaggace	geteeeggte gacceeagae caaggetegg gtggttttea tgaagggtga	gtetecagtg gaactcatca gagacattte catcccagga	ccttggataa gccgcatcaa agaaagtgaa ggggcctctg	gctgaaggag acagagtgaa ggagaaactc aaatttccca	tttggaaaca ctttctgcca aagattgact cacccagcg	360 420 480 540
cageceaggg caetggagga agatgeggga catgaggace cetgtgetga	geteeeggte gaccecagae caaggetegg gtggttttea tgaagggtga ggacteeete	gtetecagtg gaactcatca gagacattte cateccagga catgtggece	ccttggataa gccgcatcaa agaaagtgaa ggggcctctg caggtgccac	gctgaaggag acagagtgaa ggagaaactc aaatttccca caataaaaat	tttggaaaca ctttctgcca aagattgact cacccagcg cctacagaaa	360 420 480 540 600
cageceaggg cactggagga agatgeggga catgaggaec ectgtgetga aaaaaaaagg	geteeeggte gacceeagae caaggetegg gtggttttea tgaagggtga	gtetecagtg gaactcatca gagacattte cateceagga catgtggeee gagggggaag	cettggataa geegeateaa agaaagtgaa ggggeetetg eaggtgeeae gtgagaggge	getgaaggag acagagtgaa ggagaaacte aaattteeca caataaaaat tgcaccaaaa	tttggaaaca ctttctgcca aagattgact caccccagcg cctacagaaa cccaatggag	360 420 480 540 600 660

```
gggatttatt ccggggcggg tacctggggg
                                                                                              750
<210> 143
<211> 1072
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 1099076.1
<400> 143
aaagcagceg ceggegeegg gtgeeteaca geaegetgee aegeegaege agaeeeetet 60
etgeacgeea geeggeegg acceaceatg ggeeacagtt cagcagetgg aaggaagatg 120
gegeetiggtig gacageaaag getttgatga atacatgaag gagetaggag tgggaatage 180
tttgcgaaaa atgggcgcaa tggccaagcc agattgtatc atcacttgtg atggtaaaaa 240
cctcaccata aaaactgaga gcactttgaa aacaacacag ttttcttgta ccctgggaga 300
gaagtttgaa gaaaccacag ctgatggcag aaaaactcag actgtctgca actttacaga 360
tggtgcattg gttcagcatc aggagtggga tgggaaggaa agcacaataa caagaaaatt 420
tyytycatty yttaytatt ayyatyyya tyysa tyysayda agaataa taagaaatt 20
gaaagatygg aaattaytag tygagiytyt catgaacaat ytacettyta etoggatta 40
tyaaaaagta gaataaaaat tocatcatca ottiggacag gagitaatta agagaatyac 540
caagotcagi toaatgagca aatotcata otyittotti ottittittit toattatotyi 600
ottcaattat ctttatcata aacattttac atgcagctat ttcaaagtgt gttggattaa 660
ttaggatcat coottiggit aataaataaa tgigtitgig otaatatato tigiatgoat 720
totttaaaaco ttacaggaaa ttagtgatga gittitäataa ttattaattg agitaaaggit 780
ggggoagitoi tgagggiacg tatatigaga tyacacitcia goaatitata tagatagcta 840
octottacagg aaatacigta ocaatitatti aagottgoco tatacitatti gaacitigia 900
tgaattoagg aatottgaat ttotggcaga gaccattoto aataaaaggt gactacaaca 960
taaactttat tattoaaatt agagcaaagg tttaattaac cagcattgac taaaatactt 1020
tttqtqtqta tttatataca aatataaqta atactatqta tqqaataacc aq
<210> 144
<211> 862
<212> DNA
<213> Homo sapiens
<221> misc feature
<223> Incyte ID No: 902119.3
<400> 144
cccgqagccg cggcgggaga ggaacgcgca gccagccttg ggaagcccag gcccggcagc 60
catggrayts yasgyagaa yaaasydta yacagtetta yaaggcas yeetgitag 100
catggrayts yaaggaaggaa tgaaatytt gaagttetts etetacyte teetgetsge 100
ettityegee tytgaatys gaetyaitye eytsgytyte yaggyaaaga tigteetga 180
taagaccata atocagggy
gggtgtette etetteetgg tggettttgt gggetgetge ggggeetgea aggagaacta 300
ttgtettatg ateaegtttg ceatetttet gtetettate atgttggtgg aggtggeege 360
agecattget ggetatgtgt ttagagataa ggtgatgtca gagtttaata acaactteeg 420
gcagcagatg gagaattacc cgaaaaacaa ccacactgct tegatcctgg acaggatgca 480
ggcagatttt aagtgctgtt gggctgctaa ctacacagat tggtagaaaa teccttecat 540
gtcgaagaac cgagtccccg actoctgctg cattaatgtt agtgtgggct gtgggattaa 600
tttcaacgag aaggcgatec ataaggaggg ctgtgtggag aagattgggg getggetgag 660
gaaaaatgtg ctggtggtag ctgcagcagc ccttggaatt gcttttgtcg aggttttggg 720
aattgtettt geetgetgee tegtgaagag tateagaagt ggetaegagg tgatgtaggg 780
gtetggtete eteageetee teatetgggg gagtggaata gtateeteea ggttttteaa 840
ttaaacggat tattttttc ag
                                                                                              862
<210> 145
<211> 4340
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: g2982500
<400> 145
```

141/257

ccccacgcca	ccccaagcat	cccaggactc	ttctgaaaca	gggcagtgac	ccgggaggaa	60
gtcaccaggt	gcagaggacc	gtgeeetgtg	gggacctgcc	tgeaggetge	tgacagactc	120
cgggctacca	gateggeegt	ccagctggaa	tcaaccgatg	gaggeteege	tocaaactoo	180
aatggtgctt	ggcgtgatga	tegagacega	agtggcggtg	gtggtcacgg	ccgtgctcat	240
cetectaata	gtgcggaggc	tocgagtgcc	aaaaacccca	gccccggatg	gcccccggta	300
teaatteeaa	aagagggaca	aagtgetett	ctatogccoo	aagattatge	ggaaggtgtc	360
	tecteecteg					
	aagatgctca					
cacactacaa	cggaaggagc	ccccaaccaa	actcctacaa	aataacataa	aagagaagaa	540
	teccatetge					
	gagaageeae					
	gactacgtct					
gggccagggc	ctggagctct	atataaaaaa	ccagccagac	gccagcaccc	tagtagggga	780
agtagttagt	ggggacagcg	topporage	tatasgasta	ataggagugug	tagagga	040
	cageggaceg					
	gcatteteeg					
geagateate	atggtgcggc	tgeagegagt	cacetteetg	gcactgcaca	actacctggg	1020
cetyaccaat	gagetettea	gccacgagat	ccagcccctg	egtetgttee	ccagccccgg	T080
ceteceaact	cgcaccagcc	ctgtgcgggg	ctccaagaga	atggtcagca	cctcagetac	1140
	agggagaccc					
	gaccctgtga					
cegetgegte	tecatgecag	gggacatete	aggettgeag	ggtggccccc	gctccgactt	1320
egacatggee	tatgagcgtg	gccggatctc	cgtgtccctg	caggaagagg	cctccggggg	1380
gtccctggca	geceegete	ggacccccac	tcaggagcct	cgtgagcagc	eggeaggege	1440
	agctactgtg					
	cagaccagca					
	gacccctccc					
caccatcatt	gcccgccagg	gagaccagga	cgtgagcctg	cacttcgtgc	tctggggctg	1680
cctgcacgtg	taccagcgca	tgatcgacaa	ggcggaggac	gtgtgcctgt	tcgtagcgca	1740
gcccggggaa	ctggtggggc	agctggcggt	gctcactggc	gaacctctca	tcttcacact	1800
gcgagcccaa	cgcgactgca	ccttcctgcg	gatctccaag	tccgacttct	atgagatcat	1860
	cccagtgtgg					
cttcgtgcgc	cagatggact	tegecatega	ctggactgca	gtggaggcgg	gacgcgcgct	1980
gtacaggcag	ggcgaccgct	ccgactgcac	ttacatcgtg	ctcaatgggc	ggctgcgtag	2040
cgtgatccag	cgaggcagtg	gcaagaagga	getggtggge	gagtacggcc	geggegaeet	2100
categgegtg	gtggaggcac	tgacccggca	gccgcgagcc	acgacggtgc	acgcggtgcg	2160
cgacacggag	ctagccaagc	ttcccgaggg	caccttgggt	cacatcaaac	gccggtaccc	2220
gcaggtcgtg	accegeetta	tccacctact	gagccagaaa	attctaggga	atttgcagca	2280
gctgcaagga	cccttcccag	caggetetgg	gttgggtgtg	ccccacact	cggaactcac	2340
caacccagcc	agcaacctgg	caactgtggc	aatcctgcct	gtgtgtgctg	aggtccccat	2400
	acgctggage					
	atcatccggg					
	gggtggctgg					
	ctgacgccct					
	ggggaccagg					
	gcccttaagc					
	gagtggctaa					
	ctcttttcgc					
tttctccagg	cgcgcggacc	ggcacagcga	cttctcccqc	ttggcgaggg	tgctcacggg	2940
	gcccttgtgc					
actaaaggca	ttagaggagg	caaaaateee	catagaceta	gtggggggaa	cotccattoo	3060
ctctttcatc	ggagcgttgt	accccccacca	acacaacacc	adccdcacda	agcaggggg	3120
ccadaaataa	gccaagagca	tgacttcggt	detadaacet	atattagacc	teacetacce	3180
agtcacctcc	atgttcactg	agtetagett	taaccccacc	atccatcooo	tettecagga	3240
taaggagatt	gaggacctgt	ggctgcctta	cttcaacata	accacacata	tcaccacctc	3300
	gtccacaaag					
atcadactac	ctgcccccgc	tatacasaca	geggeggeaa	cacctactca	taratarara	3/120
	aatctgccag					
	gggagccagg					
	ctgtggaagc					
dactasasta	cagtecegee	tagaataa	atactatata	caaceaaaagg	aggttgtgaa	3660
ataceasta	tactgcgagt	aggeeraege	gaaaataaaa	tanttanaan	aggregedad	3720
ctanagecet	gaccagatet ggcaacgtca	ttgacgcggg	datasasas	gggaaggcgg	cyccoggagg	3840
tragargeege	cgtgcagacg	taattaaatt	geccaeagae	cggcggtcta	agttggggg	3000
rattetetee	eggattgage	coccagoott	atstatatat	ggetteactg	atraggeaga	3950
ggag coagat	tgtctgacag	aytatyayga	ggacgccgga	cccgactgct	cyayggatga	

```
aggggggtcc cccgagggcg caagtcccag cactgcctcc gagatggagg aggagaagtc 4080
gatteteegg eaacgaeget gtetgeecea ggageegeee ggeteageea eagatgeetg 4140 aggaeetega eaggggteae eeeeteeete eeaeeeetgg aetgggetgg gggtggeeee 4200
gtgggggtag ctcactcccc ctcctgctgc tatgcctgtg acccccgcgg cccacacact 4260
ggactgacct gecetgageg gggatgeagt gttgeactga tgacttgace ageceeteec 4320
ccaataaact cgcctcttgg
<210> 146
<211> 1146
<212> DNA
<213> Homo sapiens
<221> misc feature
<223> Incyte ID No: 1097580.4
<220>
<221> unsure
<222> 24, 38
<223> a, t, c, g, or other
<400> 146
gagecteegg caceggeege geantggagg eggeggangg aageceagae tetageeeee 60
tecceettee caacageett gaetteatet cagetecaga geoegeeete tetteetgea 120
geogggaact teageogget ggageeecae eatggetgea ateegaaaga agetggtgat 180 cgttggggat ggtgeetgtg ggaagaeetg ceteeteate gtetteagea aggateagtt 240
teeggaggte taegteecta etgtetttga gaactatatt geggacattg aggtggaegg 300
caagcaggtg gagetggete tgtgggacae ageagggeag gaagactatg ategaetgeg 360
geetetetee taceeggaca etgatgteat ecteatgtge ttetecateg acagecetga 420
cagootggaa aacattootg agaagtggac cocagaggtg aagcacttot gooccaacgt 480
geceateate etggtgggga ataagaagga eetgaggeaa gaegageaca eeaggagaga 540
gctggccaag atgaagcagg agcccgttcg gtctgaggaa ggccgggaca tggcgaaccg 600
gatcagtgcc tttggctacc ttgagtgctc agccaagacc aaggagggag tgcgggaggt 660
gtttgagatg gccactoggg etggceteca ggtecgcaag aacaagcgte ggagggetg 720
teccattete tgagatecce aaggeettte etacatgece eetecettea caggggtaca 780
gaaattatce cectacaace coagcetect gagggeteca tgctgaagge teccattite 840 agttecetec tgeceaggae tgcattgttt tetageeeeg aggtggtgg acgggecete 900
ceteccageg etetgggage caegectatg ceetgeeett ceteagggee cetggggate 960
ttgccccctt tgaccttccc caaaggatgg tcacacacca gcactttata cacttctggc 1020
tcacaggaaa gtgtctgcag taggggacce agagtcccag gcccctggag ttgttttcgg 1080 caggggcctt gtctctcact gcatttggtc agggggcat gaataaaggc tacaggctcc 1140
aacgtg
<210> 147
<211> 909
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incvte ID No: 391851.1
geogeoctag ccacqteece tegcaqtteq geggteeege gggtetqtet ettqetteaa 60
cagigtttgg acggaacaga tccggggact ctcttccagc ctccgaccgc cctccgattt 120
coteteoget tgeaacetee gggaccatet teteggecat etcelgette tgggacetge 180
cagoacogtt titgiggtta getoettett gecaaceaac catgagetee eagattegte 240
agaattatte caccgactyt gagoageog toaacageet ggtoaattyt tacctgoagg 300
octoctacac otacetetet etgggettet atttegaceg gatgatgtg getetggaag 360
gegtgageca ettetteege gaactggeeg aggagaageg egagggetae gagegtetee 420
tgaagatgca aaaccagegt ggeggeegeg etetetteca ggacatcaag aagccagetg 480
aagatgagtg gggtaaaacc ccagacgcca tgaaagctgc catggccctg gagaaaaagc 540
tgaaccagge cettttggat etteatgeee tgggttetge eegeaeggae eeceatetet 600
gtgaetteet ggagaeteae tteetagatg aggaagtgaa gettateaag aagatgggtg 660
accacetgae caacetecae aggetgggtg geeeggagge tgggetggge gagtatetet 720
togaaaqqot cactotcaaq cacqactaaq aqcottotqa qoccaqoqac ttotqaaqqq 780
eccettgeaa agtaataggg ettetgeeta ageeteteee teeageeaat aggeagettt 840
```

```
cttaactate etaacaagee ttggaccaaa tggaaataaa getttttgat gcaaaaaaaa 900
aaaaaaagg
<210> 148
<211> 1410
<212> DNA
<213> Homo sapiens
<221> misc_feature
<223> Incyte ID No: 013105.9
<220>
<221> unsure
<222> 448-516
<223> a, t, c, g, or other
<400> 148
tctcatggtt ggaagttgac ggggcatacc caatttttgg aaaagtacac tttattggtt 60 aaaatgtcat tataattagc aaatgactat acaaaatggc attcttgtat tcaatattca 120
atattatttt gtgcttgaat gaatcaccca gttagttttc tgaccaaaac acaatccttt 180
ttaaaaaaatt tgtttacaat ttcagtatgt tatgtagtta cagatgagta agtcagagaa 240
ttaatttcac aatgaagtaa ttaacacttt caaaggactg tactttaaaa tttcaaagtg 300
tgatgttttc tattggtgta gaatgagcct aaataaggag taaaaagaca cgagccctac 360
teettgatet gecaatgaca gatgaetttg ggecaecatg ttatetetet gageeteagt 420 tteettatgg tgagaacaca gtagtetnnn nunnnnnnnn nnnnnnnnnn nnnnnnnnnn 480
nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnaatt tttegeteea tgatgegtta 540
tetgggtetg gaaacccaaa ccctcaagga tggcctggcg catgggggaa ccagcctgct 600
ggggcagggg gctacccagg ggcttcctat cctggggcct accccqqqca ggcacccca 660
ggggcttate ctggacagge acctecagge gcctaccatg gagcacctgg agcttatecc 720
ggagcacctg cacctggagt ctacccaggg ccacccaggg gcctgggge ctacccatct 780
tetggacage caagtgeece eggageetae cetgeeactg geecetatgg egeecetget 840
gggccactga ttgtgcctta taacctgcct ttgcctgggg gagtggtgcc tcgcatgctg 900
ataacaattc tgggcacggt gaagcccaat gcaaacagaa ttgctttaga tttccaaaga 960
gggaatgatg ttgccttcca ctttaaccca cgcttcaatg agaacaacag gagagtcatt 1020
tttgaaagtg ggaaaccatt caaaatacaa gtactggttg aacctgacca cttcaaggtt 1140
grantgaatg atgeteactt gttgeagtae aateateggg ttaaaaaaact caatgaaate 1200
agcaaactgg gaatttctgg tgacatagac ctcaccagtg cttcatatac catgatataa 1260
totgaaaggg goagattaaa aaaaaaaaa gaatotaaac ottacatgtg taaaggttto 1320
atgttoactg tgagtgaaaa tttttacatt oatoaatato ootottgtaa gtoatotact 1380
taataaatat tacagtgaat tacotgtoto 1410
<210> 149
<211> 7319
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 356248.4
<220>
<221> unsure
<222> 4844, 7302
<223> a, t, c, g, or other
<400> 149
acgactgeet getgttegag geeggeacgg tggccaeget ggetecagaa gaaaaggaag 60
tcattaaagg acagtatggc aagctcacgg acgcgtacgg ctgcctgggg gagctgaggc 120
tgaaatetgg tggcacgtet etgagettee tggtgttggt gacaggetge acatetgtgg 180
geagaattee agatgetgaa atetacaaaa teactgecae tgacttttae cetetteagg 240
aagaggccaa ggaggaggaa cgcctcatag ctttgaagaa aatcctcagc tegggggtgt 300
tetablicte atggecaaac gatqqqtete getttqacet qactqteeqe acqcaqaaqc 360
agggggatga cagetetgaa tgggggaaet cettettetg gaaccagetg ttgcacgtgc 420
ecttgaggea geaccaggtg agetgetgtg actggetget gaagateate tgeggggtgg 480
teaceateeg caccettata geeteecaca agcaggecaa ggeetgeete gtetetegeg 540
```

ttagctgtga	gcgcacaggc	actcgcttcc	acacccgtgg	cgtgaacgac	gacggccatg	600
totccaactt	cqtqqaqaca	gagcagatga	tttacatgga	cgatggagtg	tcatcttttg	660
tecagateag	aggeteegtt	ccgctgttct	gggaacagcc	agggcttcag	gttggctccc	720
atcatctgag	actccacaga	ggcctggaag	ccaatgcccc	tgctttcgac	aggcacatgg	780
tgcttctgaa	ggagcagtac	gggcagcagg	tggtcgtgaa	ccttctggga	agcagaggcg	840
	gctcaacaga					
acacgcctat	gatcaatttt	gacttccatc	agtttgccaa	aggtgggaag	ctagagaaat	960
tggagaccct	cttgaggcca	cagttaaagc	tgcactggga	agacttcgat	gtgttcacaa	1020
agggggagaa	cgtcagtcca	cggtgaggct	cgctgcgcac	tgtgccgcgt	cttctgctgg	1080
ggggaagcgt	cagtccacgt	tttcagaaag	gcactttgcg	gatgaactgt	cttgactgcc	1140
tggaccgaac	caacactgtg	cagagcttca	tegegetega	ggtcctgcat	ctgcagctca	1200
agaccetggg	gctgagttca	aaacccatcg	ttgaccgctt	tgtggagtcc	ttcaaagcca	1260
tgtggtctct	gaatggccac	agcctgagca	aggtgttcac	aggcagcaga	gccctggaag	1320
ggaaggccaa	ggtggggaag	ctgaaggatg	gagcccggtc	catgtctcga	accatccagt	1380
ccaacttctt	cgacggggtg	aagcaggagg	ccatcaagct	gctgctggtt	ggggacgtct	1440
acggcgagga	ggtggcagac	aaagggggca	tgctgctgga	cagcacggcg	ctcctggtga	1500
ctcccaggat	cctgaaagct	atgactgagc	gtcagtccga	attcacaaat	ttcaagcgga	1560
teeggattge	tatggggacc	tggaacgtga	acggaggaaa	gcagttccgg	agcaacgtgc	1620
tcaggacggc	ggagctgaca	gactggctgc	tegaetegee	ccagctctcg	ggagetaccg	1680
actcccagga	tgacagcagc	ccagctgaca	tatttgctgt	ggggtttgaa	gagatggtgg	1740
	agggaatatt					
agcttcagaa	agccatctca	cgctctcata	gatacattct	gttgacttcg	gcacagctgg	1860
	tetttatate					
ccatcgacac	agtgaagacg	ggcatggggg	gcaaggcggg	gaacaagggc	gccgtcggca	1980
teegetteea	gttccacage	accagettet	gcttcatatg	tagtcacctg	acggccgggc	2040
agtcccaggt	gaaggagcgg	aatgaagact	acaaggagat	cacccagaaa	ctctgcttcc	2100
caatggggag	aaatgttttt	tctcatgatt	atgtattttg	gtgtggcgat	ttcaactacc	2160
gcattgatct	tacttatgaa	gaagtettet	attttgttaa	acgccaagac	tggaagaaac	2220
ttctggaatt	tgatcaacta	cagctacaga	aatcaagtgg	aaaaattttt	aaggactttc	2280
	cattaacttt					
atacaagcga	caaatgccgc	acccccgcct	ggacagacag	ggtgctgtgg	tggaggaaga	2400
aacatccctt	tgataaaaca	gctggagaac	tcaaccttct	agacagtgat	ctagatgttg	2460
acaccaaagt	cagacacacc	tggtctcctg	gtgccctgca	gtattatggt	cgtgcggagc	2520
tacaagcgtc	tgatcacaga	cctgtgctgg	cgatcgtgga	ggtggaagtt	caggaagtcg	2580
atgtgggtgc	tcgggagagg	gttttccagg	aagtgtcctc	cttccagggc	cccctggatg	2640
ccactgttgt	agtaaacctt	caatcaccga	ccttagaaga	gaaaaacgag	tttccagagg	2700
acctgcgtac	tgagctcatg	cagacettgg	ggagttatgg	gacaattgtt	cttgtcagga	2760
tcaaccaagg	gcagatgctg	gtaacttttg	cagacagtca	eteggetete	agtgtcctgg	2820
acgtggacgg	tatgaaggtg	aaaggcagag	cagtgaagat	tagaccgaag	accaaggact	2880
ggctgaaagg	tttgcgagag	gagatcattc	ggaaacgaga	cagcatggcc	cccgtgtctc	2940
ccactgccaa	ctcctgtttg	ctggaggaaa	actttgactt	cacaagtttg	gactatgagt	3000
cagaagggga	tattcttgaa	gacgatgaag	actacttggt	ggatgaattc	aatcagcctg	3000
gggtctcgga	cagtgaactc	gggggagacg	acctctctga	tgtccccggc	cccacagcac	3120
tggeteetee	cagcaagtca	cctgctctca	ccaaaaagaa	gcagcatcca	acgtacaaag	3180
atgacgcgga	cctggtggag	ctcaagcggg	agetggaage	cgtcggggag	tteegecace	3240
gtteteegag	caggtctctg	teggteecea	accggcctcg	gccacctcaa	cccccgcaga	3300
gaccccccc	tccaaccggt	ttaatggtga	aaaagtegge	tteagatgeg	tecateteet	3300
ceggeaceca	tgggcagtat	ceaattttge	ayacggcaag	acttetacca	ggagcacete	2420
agcaacctcc	caaggetegg	actggaataa	graaacetta	caatgtcaag	cagaccaaaa	3480
ccaccaatgc	ccaggaggca	gaagcagcaa	teeggtgtet	cctggaagcc	agaggaggtg	3540
cctccgaaga	agccctaagt	geegtggeee	caagggacct	rgaagcatcc	totgaaccag	3660
agcccacacc	gggggcagcc	aaaccagaga	ccccacaggc	geeceeacte	cttccccgtc	3000
ggcccccacc	cagagttcct	gccatcaaga	agccaacctt	gagaaggaca	ggaaagcccc	3720
	agaacagttt					
	ggcccctcct					
gaacatttca	gcctgggaaa	getgeagaga	ggccaagcca	caggaagcca	geateagaeg	3900
aagcccctcc	tggggcagga	geetetgtge	caccacctct	gyaggegeeg	coterracge	7200
ccaaggtacc	cccgaggagg	aagaagtcag	cccccgcagc	cttccacctg	caggicctgc	4020
agagcaacag	ccagcttctc	cagggcctca	cttacaatag	cagtgacagc	ccctctgggc	4140
	cgcgggcacc					
caagccccga	cagcgatggc	accaaagcga	tgaagccaga	ggcagececa	ettettggtg	4200
attatcagga	ccccttctgg	aaccttcttc	accaccctaa	actgttgaat	aacacttggc	4260
tttctaagag	ctcagaccct	ttggactcag	gaaccaggag	ccccaaaaga	gateceatag	4320
acccagtgtc	agetggeget	teagetgeea	aggcagagct	gccaccagat	catggacaca	4380
aaaccttagg	tcactgggtg	acaatcagtg	accaagaaaa	gaggacagca	ctgcaggtgt	4440
ttgacccact	ggcaaaaaca	tgactgagca	gctttgaagg	ctgcagtcct	atagaatgca	4500
taccttcctc	cctctaggca	tecetecace	agaagagaca	tctatttaaa	ggcacactgg	4560

```
ccaaaacgtt tgtgcatctg tcactctcgt gtagtttaca aaaatcgtgt ctcttattca 4620
gtaagatggt tactcagcca ccaaaatata tttcactcaa ggcttgtaca tctgaagttt 4680
getetteaag gaatgggaac etteetgtta aatteggtgt atggatttta agaaaggaat 4740
ctagecaatg aggtecaaga agttetcace cattgaattt ttaaatgget gtteagttea 4800
tottotacgt gatggagatt totettttet tttatttgga tttnacagat ttggtataac 4860
attttgggga gccacctgaa ggttgatgta taaagtaagg attagagaaa gaggtcgttg 4920
tgaccattag tagetgteet ggeccaetta aacaaggtta caaaaaatca gagteggaag 4980
cagecaaata ggtcaaccta atgactagac tgtacattee catgageett catgtttaag 5040
tgtgtacatg tgcgttaacc ttgatgatgc gtgaatcccg agggagccgg tggcatacac 5100
cottagetta acettagett aaactagetg aaggeteetg tgeeatgtet tagacattge 5160
atgeectate aattactata atectgagee atggtgtget actgaaacca atttttatee 5220
accatctagt cottattaaa tgaaacctca cggatccttt gttccgctta tattccatgc 5280
ataccacata aaagcacaca gigggaaaac teligeigal acgegatati gattotcatt 5340
gitagaatai ggaagigiti toagcetegi elgicogga gigagettogg gatggaaagi 5400
gotalgigic ocigoatata agaatcacca ggcoagigit teligggitig eligicatagicagi
tgtttgtcta tattttttgc ctatacattt ttcccacgtt tccaacagca cttctcacct 5520
attcaataac tgaaaaagac attaccatag tgctttacat ttttaaagta atgttacaag 5580
gradiana yanakangan artakuaran yyttirahat itilaanga atyitatang 3500 grotigaan oattiganga gartakogtof tittograta thatakangan gitoatgas 5400 gaantottan tigtacogoof gitytatotg gragoctogt akangangoto gaacaqaagt 5700 gartakangto atkootaa giyaatagag gartyotto chakangotga atyotaagga 5700 gartakangto atkootaaga 5700
tagtaaggat catcttgcct gggctatgcc actgtcttgt taccaattag acatctggaa 5820
tttcataatt agttttcatt gtcactgtca agatatattg cagattactt aaatatggcc 5880
atcaaaacaa aagttacaac acgtatetet ttteatetga aaactaatac etggaaaagg 5940
ataaaaaaaa aaaaggaatc cgtgacccac agagctagac agataagatg catagttgac 6000
cagtcataaa aggoggtgtt taggtgatca ggatgccgtt ggtggcattt acgtgcttta 6060
tatgattttt acctccgtaa caaacacaag aaataaacag aatggtcctt aacagagttt 6120
qqqqqaqaqa qcaaqatqqq ttccttqqaq aaqctqattt qccaaqatqc acatcqctat 6180
taacagecag agtcataaat gaaatgaaat tgaagaatte attcaaatge tetttteeet 6240
ataacctctt ttctcaccaa aaaggagata aatttgaaaa cagataaatg taacaaccag 6300
tcaaagaagc aggggaaaag taagctcctc caaagttgct tgcagtgctg gaaatagatc 6360
tcatttttag gttttctctt cgttccagat accaaataaa tgggacagag aataaaattt 6420
ttqttaaaat atqtqctcat ctcctaaqta qctcttcaqa qtctqaccqt aaqqtaaaaa 6480
cacacagaat tgtgttgact gggggaggtg aatcacaaaa aagttacgag gagtttaaga 6540
gttaaatatt atttgatogt ggctgtcaaa tttagtgaac acatagatt ggatttggag 6600
ttggtagtag gtatggttct cataccagaa ttctcttaaa aaaaaaaaa aggacaattg 6660
gaattgeett atttatttt aaaatcaatg ettactagtt ggtaggatte ccaggtcage 6720
agragggttg attaaataat ettgacaatg agraggtger atettggggg atttcattet 6780
giggittitt aaatgitteg tetitgatge taccatecag ggettettat tgtgacettg 6840
tagoctattt tgttoctgot gttototaac atggtgoagt toacgcagac tggtttaggt 6900
acttoacaac toaccattgt otototgaco coaagcotag tocottttac atcaccatot 6960
totoagactt cttgcctatt cttaaaatat gttttggtta atgattgaat taggacatca 7020
gettaageaa tteetgtaac ggtttaaegt tgttgaagtt caaggeacat aataaaatte 7080
tecetgatgt gtgtgtaagt ataaacaaag taatgtatca aagegtteac tttataatga 7140
agtoatttoa tigggaagga aagetgeaaa gattattggg ggaetagtga tiaataaaat 7200 eetgtaatat tittgaagtg aaaattigta eigaaattgt acatgataee tattaaattg 7250 tittigaettt tittaaattg ggittattite titticagata tingaagagaa ettagaata 7250
<210> 150
<211> 5729
<212> DNA
<213> Homo sapiens
<221> misc feature
<223> Incyte ID No: 331045.1
atgaggaggg acgagggaga cgccaaagcc atgcggtccc tgcagccgcc ggatggggcc 60
ggetegeeee eegagagtet gaggaaegge taegtgaaga getgegtgag eeeettgegg 120
caggaccete egegegett ettettecae etetgeeget tetgeaaegt ggagetgegg 180
ccgccgccgq cctctcccca gcaqccqcqq cqctqctccc ccttctqccq qqcqcqcctc 240
tegetgggeg acetggetge etttgteete gecetgetge tgggagegga acecgagage 300
tgggetgeeg gggeegeetg getgeggaeg etgetgageg tgtgttegea eagettgage 360
cccctettca geategeetg tgccttette ttectcacet gettectcac eeggaccaag 420
eggggacccg gcccgggccg gagetgcggc tectggtggc tgctggcgct gcccgcctgc 480
tgttacctgg qqqacttctt qqtqtqqcaq tqqtqtctt qqccttqqqq qqatqqcqac 540
geaggteeg eggeeeegea caegeeeeeg gaggeggeag egggeaggtt getgetggtg 600
```

etgagetgeg	tagggetget	getgaegete	gegeaeeege	tgeggeteeg	geactgegtt	660
etggtgetge	teetggeeag	cttcgtctgg	tgggteteet	tcaccagcct	egggtegetg	720
ccctccgccc	tcaggccgct	geteteegge	ctggtggggg	gegetggetg	cctgctggcc	780
ctggggttgg	atcacttctt	tcaaatcagg	gaagegeete	ttcatcctcg	actgtccagt	840
geegeegaag	aaaaagtgcc	tgtgatccga	ccccggagga	ggtccagctg	cgtgtcgtta	900
ggagaaactg	cagccagtta	ctatggcagt	tgcaaaatat	tcaggagacc	gtegttgeet	960
	gagaacagat					
cattatcaaa	attctggagg	tggaaatgga	gttgatcttt	cagtgctaaa	tgaggetege	1080
aatatggtgt	cagatettet	gactgatcca	agcettecae	cacaagtcat	ttcctctcta	1140
cggagtatta	gtagcttaat	gggtgctttc	teaggtteet	gtaggccaaa	gattaatcct	1200
	ttcctggatt					
gatagaaaac	ttaacaaggg	actaaatagg	aatagtttgc	caactccaca	gctgaggaga	1320
	cttcaggatt					
ggcaaaagac	ctcaccaaga	atttggcatt	tcaagtcaag	gatgctatct	aaatgggcct	1440
	atctactgac					
catgtaggtc	tcagaagagc	tggtgttttg	tccagtctga	gtcctgtgaa	ttcttccaac	1560
	tgtctactgg					
	ttaataagec					
	tttatcagca					
	tgaaatatgt					
	aagaagaaaa					
caagaagagg	aaacagagaa	gaaagacagc	agaaaattat	ttcaggaagg	tgataagtgg	1920
	aggcacagag					
	tagaagagta					
atttttgaac	ttgtagaaaa	gatgggagag	aaatcaggaa	ggattctcag	tcaggttatg	2100
tataccttat	ttcaagacac	tggtttattg	gaaatattta	aaattcccac	tcaacaattt	2160
	ttcgtgcatt					
	atgtgctaca					
cagcagatec	acaatggttg	tggaacagga	aatgaaacag	attctgatgg	tagaattaac	2340
catgggcgaa	ttgcttatat	ttcttcgaag	agetgeteta	atcctgatga	gagttatggc	2400
tgcctgtctt	caaacattcc	tgcattagaa	ttgatggete	tatacgtggc	agetgecatg	2460
	atcacccagg					
	acaatgacag					
cratatettt	ctcgcccaga	atacaacttc	ettetteate	rtgateatgt	ggaattcaag	2700
cgetttegtt	ttttagtcat aattcaatgc	Egaagcaatc	errgeraegg	accttaaaaa	gcattttgat	2760
	gategeetet					
	gttcgagact gatgaagaag					
	ctagcaaaac					
	gatgetgetg					
tratactraa	agtggtgatg	atraaracro	traaraatta	ratacaraar	atraarraat	3120
	ctaaatccaa					
gctaatgcac	cacctcactg	aasaccacaa	ratatronaar	daastcataa	agraagaga	3240
	gctgatggga					
tgagattcag	gtaattgaag	addcadatda	agaggagaac	caacaattta	agraaagaa	3360
aagtcatatt	gaagaagccc	agagggttgt	accesadade	agaaatcatt	acctaatatt	3420
caccoactaa	ctctcaactg	accattecea	tataaacaaa	ccttaatact	gtgagaggat	3480
cettacteta	ctggcagttt	cccactccta	tocactttca	caggaactag	aaaactattc	3540
	aataccatcc					
ctoototato	aatactttgt	cataatocto	ctttactaaa	tagtgaggtg	ttatttttca	3660
	gctataacta					
aactttttcc	ttttatgaaa	atagattcat	attotatttc	ccagtgtgtc	ttttatgtct	3780
	tggagaaaag					
agggatttct	gctcaatgca	atacactott	cagtgctatt	ctcccaccta	ggtttatcca	3900
	agtgaccttt					
	tgtgtattat					
tgccatggac	atcagaagtt	tgaattccag	tettatetta	tgttccatgg	ctgaatttta	4080
	ggtttaacaa					
	attcgtattt					
	aatttgctgt					
	gecetaaagg					
ttagatecae			actctaaaac	tgatgttcat	ctttctgtta	4380
	geetaaagae					
agectaactg	geetaaagae geaagaetga	tttctgagaa	caagtaaaga	actggaatac	ttatttttca	4500
ageetaaetg tataaaaate	geetaaagae	tttctgagaa aataaatcat	caagtaaaga ttcatacaaa	actggaatac agtacattat	ttatttttca taaataacca	4500 4560

```
tgtgtggata tgtaccctac ttgtgaaata catttgaaga tataaagagc agccaaaatg 4680
atggcaaaat ggtaggctaa tattittetat tattattgga gaacatatca tattittggaa 4740
gtattggcat gcagttett acttatetag aatattggc ttatetgaa ggtatteet ttagaatatg 4800
gtattggcat gcagttett acttatetag aatatttggc ttatetgaaa gatatcaatt 4860
taagatetet ggaagtgtta gaatttttga teetteacag tgtcaatatt taatgaatea 4920
ctaagettta titaitagae gigtigagig agigetgagi teetigeige caetittgit 4980
accattgtca cacactatgt gtaaaccagt cocaccactt attactaata aaattttgac 5040 tgataattta tatttgcact tacaatatat atatcctgtc cttatatttc tctagagtac 5100
attttccatc atgtttaagt gtatttctgc tattatttcc tctcctgcag aatacataca 5160
agtgtatgtg tataaagtca tacatgtaca agcatgcata ttgagattga atcacatttc 5220
catactotot ottattitat togottttat attogottto tttagtttat ottogttttc 5280
tcaaaaacag cattttaaat tacgaatact ggacttattg gatttaatta taaatccaat 5340
tactactgga aactcatttt tacataatat agtccttaaa ttatttaacc cttgctaagt 5400 aattgacata tgtaacaata actagcctaa agaaacccaa aaaagtatct ctcccgagct 5460
gaaacttaaa aattegtaag tgtaagaaag aatgtgagaa tatattaaat gcacactgta 5520
ccattagatg agatettact tgaggaattg ccataagcca tattacagat cttactttga 5580
ttgttactga atcagattaa tttcttgtta taataatttt catcataaat tttctatttt 5640
taaaqccgct qqtactaqaa atattctttt aatqctatat ctatqtacct actqacacat 5700
ttttctccat aaaagtactt ttaaaaatt
<210> 151
<211> 6094
<212> DNA
<213> Homo sapiens
<221> misc feature
<223> Incyte ID No: 482480.3
gaatteeett ttetgggeae egeettetge tagggggttg tagatgaaag tgeetgetee 60
cagagaaget totetaacet ageacagttt etaagetace caggetgeca gaccgagega 120
cogtgetgee atggacacag acteteageg tteteatete tetteettea ccatgaaget 180
Satigaciaa tagamataa acattaagu tattaatut tittatutta tittatatut jagatgacaga gatgataga tagamataa taa gagaaagce taaaagaagg saaaacaga 240 tagagtgtic gtaaagatte aagaagage titgaacaaa gaggaaagaa gaagattict 300 aacagaggge taccetetee cettggatet ggagcaagaa gaagtagaat ttatjiccaa 360
cagtgetgtg gettecaggt etcaaaggea gaagaacetg agetggetgg aggagaaaga 420
gaaggaagtt gtcagtgccc tgcgctactt taagaccatt gtggacaaaa tggcaattga 480
taagaangta ctggagatge ttcagggte agccagcaag ftgctggagg ccatcttac 540 cctggtgcag aacgatcct gaatteages agctcagce ctctttct gctatagccg 600 agtgtgcag aagctcagca acctcattc gctgtgtgtgag aagctcagca acctcattc gctggtgtgag caatgtgt
gaactcagaa gacaaggaga tggtgacgac tgtgaagggg gtcatcaagg ctgtgctgga 720
tggagtgaag gagetggtea ggeteaceat cgagaageag ggaegteegt eteegaegag 780
ccceptgaag cccapticee etgecageaa geetgatgge ccageagage tecceetgae 840
agaccgcgag gtagagatcc taaacaagac gactgggatg tcacagtcaa ctgagctcct 900 cccagatgcc acggatgaag aggtcgcgcc ccccaagcct cctctgcctg gcattcgggt 960
ggttgataat agtectecae cageattgee acceaagaaa agacagtegg egeegteece 1020
taccogagto octotogtog cocccatgag cogagocaco agtogotoca ottogotot 1080
tggaatcaat aggcaggatt ttgatgttga ctgttacgca cagaggcgac tgtcaggagg 1140
cagocactca tatggtggag agtogcocog cototococo tgcagoagca taggcaaget 1200
cageaagtea gaegaggage tyteetettet ggacagggae agtgggeagt geteeeggaa 1260
cacaagtyt gaacactag accaetatga teeegaetat gaatteetee agcaagaeet 1320
etetaacgea gaecagatae eteageagae ggeetggaae ettagecegt tyeeagagte 1320
tttgggggag tctgggtctc cattlettgg ccctcetttc cagetgeetc ttggeggeca 1440
tecccageca gaeggaecte tggeeceagg geageagaea gataegeeae etgeteteee 1500
cgagaagaag cgcaggagcg cagcetecca gacggcggac ggctctggct gcagggtgtc 1560
ctacgagegg catecetege agtatgacaa catetetggg gaggacetge agagcacage 1620 cccgatecea tecgteecet aegegeeett tgetgetatt etgecettte ageatggagg 1680
ttcctcagcc cctgtcgaat ttgtgggtga ttttactgct cctgagtcaa ccggtgaccc 1740
agaaaaacca cctcctctac cagagaagaa aaacaaacac atgctggcct acatgcagtt 1800
getggaggae tacteggage egeageeete tatgttetae cagaegeeae agaaegagea 1860
catotaccag cagaagaaca agotoctoat ggaggtatac ggotteagog actottoag 1920
tggggtggac tocgtgagg agotggococ gocgocogoc etacococca agoagggca 1980
gctggagoca coggotggga aagaaggaca toccagaagt coctcagogg teagoggoct 2000
ccctgggaag gacagcagag acggcagtga gagggcccca aagtcaccag atgctctgga 2100
gtoggetoag toggaggagg aagtogaega getotecete attoaccaca acgaaattat 2160
gtccaggctg acgctcaagc aggagggtga tgacqgqccq qacqtccqcq gaggatctgg 2220
```

ggacatotta ctgytccaty ctactyagac tyacaggaaa gatttgytyt tytacty ggcattocty accacchaca ggacotteat otocceagay gagotcatoa agaagot gtacagatat gagaaattot otocottigo cyacacatto aagaagogog toagoas	
ggeatteetg accacetaca ggacetteat etceceagag gageteatea agaaget gtacagatat gagaaattet etcectttge egacacatte aagaagegeg teageaa	rcga 2280
gtacagatat gagaaattet eteeetttge egacacatte aagaagegeg teageaa	900 2200
	.gca 2340
	agaa 2400
caegttette gtgetggtae gggtggtgga tgagetetge etggtggagt tgaeaga	aga 2460
gateetgaag etgetgatgg aactggtett eegeetggtg tgeaatgggg agetgag	
ggecegtgtg eteeggaaga acateetgga caaggtggae cagaagaage taeteag	gtg 2580
tgccacctcc agccageccc tggcageccg gggggtagca gccaggecgg ggacett	
denote the angular property of the property of	ota 2700
cgactttcac agccatgaga tageggagca getaacgetg etggatgetg agetett	CLa 2/00
taaaatagag atteetgagg ttttgetttg ggcaaaagag cagaatgagg agaagag	rcec 2760
caacttgacc cagttcacgg agcacttcaa caacatgtcc tactgggtcc ggtccat	aat 2820
and at the same and a second and a second at the same to the same and a second at the same to the same and a second at the same to the same and a second at the same to the same and a second at the same to the same and a second at the same to the same and a second at the same to the same and a second at the same to the same and a second at the same to the same and a second at the same and a sec	2000
catgttacag gaaaaggccc aggacaggga acggctgctc ttgaagttca tcaagat	
gaagcattge ggaagetgaa taactteaac teetaettgg ceatectete tgecetg	gac 2940
teggegeeca teegeagget ggagtggeag aageagaett cagagggeet ggeegag	rtac 3000
tgcacactga tcgacagete gtectectte cgagectace gggccgccct ctcggag	gug sooo
gaacegeegt geatecegta cetggggget gateetgeag gacetgacet tegttea	acct 3120
gggaaaccca gactacatcg acgggaaagt gaacttctcc aagcggtggc agcagtt	caa 3180
catectegae ageatgeget gettecagea ggegeactat gaeatgegga ggaacga	
cattataaac ttcttcaatg acttcagtga ccacctggct gaggaggccc tatgggs	act 3300
gtctctgaaa attaaaccca ggaacataac aaggagaaaa acagaccggg aagagaa	
ctaggagcag acgccgggat ccaggagaat getcgagggg cgcagagggc agetccc	
ccggagagga ccttggacct gttaggcgca tggcaggagt cccggcctcg gagccat	gag 3480
getggecage ceteageggg geegggeggg agetggagee tgecageege tteetge	ctc 3540
cttcctctgt gggagcagac ccgtgggcct cagggcagcc agcaggcagg tcttgtt	aca 3600
cocceege gggageagac cog agggeet cagggeagec ageaggeagg	gcc 3000
aatttacaaa coggtggttt totggtttgg ttttgttttc tgcttttact tocatct	ctc 3660
ccctcttgac cttccaccca ctcccctcca gggagagagc agcagagacc tcatcag	rcad 3720
accaaggaag tggtgggtgc tececetece taagetecag ggteeetgaa tettete	
teteaaatga gtggaggeet eetggggtgg eetgteetge aggggeeetg gaatgg	ggc 3840
aagcagetgg gtgggcagaa tgcagagtag actcggggga ggatecttte actttee	gct 3900
teccettetg atgeatggag gatggtgtga getttteage aggeeeggaa aggtaeg	
gtgacgcctt agcagccccg cagctggtgc tctgccccgc ggtactggcg ccatcag	
ctcccttgcc cgcctgagag cagcagcagt ctctgtcatc ccgtcgcccc ttacccc	cca 4080
ccccaggcca ctgggcccct cccacaccac ctggggaget gagaagagga ggctgga	arta 4140
agggaggact tgatcatcca agaaatactt tttattgctg ggagtcttct gaacct	4200
aaactgaggc cagagctgag ctcctggggg agttaattca gaggggagag gccagca	acct 4260
coctected ttgctcgctg tgtgccttaa actecatote atgtccctcc ccateco	
matttageta getagttega gentagteen gengangen eegstastee teteret	
gettteeete eeteetigee eeateetggg ceagecagea gggeteetee tetgget	
cagacettte agecagtget gteagtgeec etgggaggga agggeatece tgaggea	accc 4440
cagacettte agecagtget gteagtgee etgggaggga agggeatece tgagges gaatggteee teagggtgea gggaggeaga agectggeea cagaggagee teetaag	gca 4440
cagacettte agccaptyct gtcagtgcc ctgggaggga agggcatcce tgagges gaatggtccc tcagggtgca gggaggcaga agcctggcca cagaggagcc tcctaac gcagctgcag caagggcacc ctctccccac tctccccacg ccagagcggc ttccag	accc 4440 ggca 4500 agca 4560
cagacettte agceagtget gleagtgee etgggaggga ägggeatoce tgaggee gaatggtee teagggtgea gggaggeaga agcetggee eagaggagee tectaag geagetgeag caagegeace etetececae tetececaeg ceagaggge titecag gatgetgttt cealcotect egteaaaace attetogety etgagettig caatetg	accc 4440 ggca 4500 agca 4560 gggc 4620
cagacettte agceagtget gleagtgee etgggaggga ägggeatoce tgaggee gaatggtee teagggtgea gggaggeaga agcetggee eagaggagee tectaag geagetgeag caagegeace etetececae tetececaeg ceagagggg titecag gatgetgttt cealcotect egteaaaace attetogety etgagettig caatetg	accc 4440 ggca 4500 agca 4560 gggc 4620
cagacettte agceagtget gteagtgeee etgggaggga agggeateee tgagge gaatggteee teagggtgea gggaggeaga agcetggeee cagaggagge tectaag geagetgeag caagegrace eteteceae teteceaeg ceagagggge ttecaga gatgetgttt eedceteete egteaaaaee attetegetg etgagettga caatetg aaggettgtg gggegettga caaaeegaat etgecetgtg eegeetggtt cegtggg	accc 4440 ggca 4500 agca 4560 gggc 4620 ectc 4680
cagacettte agccagtget gteagtgeee etgggaggga agggeteee tgaggge gaatggteee teagggtgea gygaggaaga agcetggeea eagaggagee tectaagge geagctgeag eaagggeace eteteeeae teteeceaeg ceagagggge tteeagag gatgetgttt ceatectee egteaaaaea attetegetg etgagettga eaatett aaggettgtg gygotttga eaaceagaat etgeeetgt geagcetgta eaatetg cagcatgage etgeaggag gygottgog gaaceagtt gtgetgeeee agceat	accc 4440 ggca 4500 agca 4560 gggc 4620 ectc 4680 ggc 4740
cagacettte agceagtget gleagtgeee etgggaggga agggeateee tgaggee gaatggtee teagggtgea gggaggeaga agcetggeee eagaggagee tectaag geagetgeag eaagegeace eteteeceae teteeceaeg eeagagegge tteeag galgetgtte ealeeteet egteaaaaee aleteegetg etgagetlga eaaletg aaggetlgtg ggegetlga eaaacagaat etgeeelgtg eogeelgge eageaa eagealgage etgeaggeag ggeelgegg gaaceeaft gleetgeee agceeat teegggtetg etgtgeaga algagteet acttgleeeg ggitagag etggtee	accc 4440 ggca 4500 agca 4560 gggc 4620 ectc 4680 egcc 4740 aagt 4800
cagacettte agccagtget gteagtgee etgggaggga agggesteet tagggeggga gaatggtee teagggtgea gygaggaaga agcetggeea cagaggage tectaagg gatgcgtgag caagggace eteteceae teteceeae cagagggge tteeagaggegge gatgcgtttt coalectee ogteaaaace attetegetg etgagettga caatett aaggettgtg gggegttga caaceaate etgecetgt gegettga caatettga cagcatgage etgeaggeag gggetgegg gaaceagtt gtgetgeece agccatg teegggtetg etgtgaatga atgagtgete acttgteeeg gtttaggae gtggtee gaacagagg gtetaacttg gettacttag cocagtteaa acagaacaaa ggaaa	accc 4440 ggca 4500 agca 4560 gggc 4620 ectc 4680 egcc 4740 agct 4800 atat 4860
cagacettte agccagtget gteagtgee etgggaggga agggesteet tagggeggga gaatggtee teagggtgea gygaggaaga agcetggeea cagaggage tectaagg gatgcgtgag caagggace eteteceae teteceeae cagagggge tteeagaggegge gatgcgtttt coalectee ogteaaaace attetegetg etgagettga caatett aaggettgtg gggegttga caaceaate etgecetgt gegettga caatettga cagcatgage etgeaggeag gggetgegg gaaceagtt gtgetgeece agccatg teegggtetg etgtgaatga atgagtgete acttgteeeg gtttaggae gtggtee gaacagagg gtetaacttg gettacttag cocagtteaa acagaacaaa ggaaa	accc 4440 ggca 4500 agca 4560 gggc 4620 ectc 4680 egcc 4740 agct 4800 atat 4860
cagacettte agceagtget gloagtgece etgggaggga agggeatece tgagge gaatggtece teagggtycae gggaggaaga agcetggece agaggagge tectaag geagetgeag caagggace etetececae tetececaeg ceagagggge tecaga gatgetgttt coalcotect ogteamaace attetegetg etgagettga cantetg aaggettgtg gggggettga camacagaat etgecetgtg eegeetggt eegegg cagcatgage etgeaggag gggetgegg gaaceagtt gtgetgece agcecat teegggtetg etgtgeatga atgatgete acttgtece ggtttaggag etggge gaacagagg gtetmactgagaetgetggggggggtgtggggggggggggggggg	accc 4440 ggca 4500 agca 4560 ggca 4620 cete 4680 cgcc 4740 aggta 4800 atat 4860 agte 4920
cagacettte agccagtget gteagtgeee etgggaggga agggseteee tgagggeg gaatggteee teagggtgeag ggggaggaga agcetggeea cagaggagee tectaagg gatgctgtag caagggace etetececae tetececaeg cagagggge ttecagagggette gatgctgttg ggggettga caacagaat etgcectgtg eggettga caatett aaggettgtg ggggettga caacagaat etgcectgtg eggettga cactet cagcatgage etgcagggagggetggg gaaccagtt gtgctgcece agccatgt tecgggtetg etgtgaatg atgagtget acttgteeeg gtttaggae gtggte gaacagcag gtctaactgt gettactga coagtteaa acagaacaaa ggaaaagaa agaaagcaa tettgttgat catttaggtt tttttttaaa caccatgte acttgge tttetgaaca catttacaa gaagaaaatg tgggetttt cocct	accc 4440 ggca 4500 agca 4560 ggc 4620 ccc 4680 agc 4740 aagt 4800 atat 4860 agtc 4920 tccc 4980
cagacettte agceagtget gtoagtgece etgggaggga agggeatece tgagge gaatggtece teagggtycae gggaggaaga agcetggece agaggaggage tectaag geagctgeag caagggaace etetececae tetececaeg ceagagggge ttocag gatgetgttt ceatectec ogteaaaace attetegetg otgggettge caetet aaggettgtg gggegettga caaacagaat etgecetgtg eegeetggt eegegg cagcatgage etgeaggag gggegtggg gaaceagtt gtgetgece agceat teegggtetg tgtgeatga atgagtget actgteceg ggtttaggaa gtggtee gaacagcagg gtotaactg gettacttag eccagtteaa acagaacaaa ggaaaa agaaagcaac atctgttgat eatttagtt titttttaaa caccatgte acttge ettcatggt ttttgaacag catttateaa gaagaaaatg tgggetttt tytettgtt tyteetga ataaggggag gaaageegtg oagtgeggg egggage	accc 4440 ggca 4500 agca 4560 gggc 4620 actc 4680 agcc 4740 aagt 4800 atat 4860 tecc 4920 accc 5040
cagacettte agceagtget gtoagtgece etgggaggga agggeatece tgagge gaatggtece teagggtycae gggaggaaga agcetggece agaggaggage tectaag geagctgeag caagggaace etetececae tetececaeg ceagagggge ttocag gatgetgttt ceatectec ogteaaaace attetegetg otgggettge caetet aaggettgtg gggegettga caaacagaat etgecetgtg eegeetggt eegegg cagcatgage etgeaggag gggegtggg gaaceagtt gtgetgece agceat teegggtetg tgtgeatga atgagtget actgteceg ggtttaggaa gtggtee gaacagcagg gtotaactg gettacttag eccagtteaa acagaacaaa ggaaaa agaaagcaac atctgttgat eatttagtt titttttaaa caccatgte acttge ettcatggt ttttgaacag catttateaa gaagaaaatg tgggetttt tytettgtt tyteetga ataaggggag gaaageegtg oagtgeggg egggage	accc 4440 ggca 4500 agca 4560 gggc 4620 actc 4680 agcc 4740 aagt 4800 atat 4860 tecc 4920 accc 5040
cagacettte agccagtget gteagtgee etgggaggga aggggeteee tgagggeg gaatggtee teagggtgeag gggaggagaa agcetggeea cagaggage beetaagg gatgetgtte coalcetee etgesaaaca ateteggetg etgaggttp acatett aaggettgtg gggettga eaacagaat etgeectgt geggettpa eaatgt cagcatgage etgeaggggetgggggggggggggggggggggg	accc 4440 ggca 4500 agca 4560 ggc 4620 actc 4680 accc 4780 atat 4860 agtc 4920 accc 4980 accc 5040
cagacettte agceagtget gteagtgeed etgggaggga aggggatece tgaggg gaatggtee teaggggtgea gygaggaag agcetggee cagaggage tectaag gatgetgag caagggace etteceeae teteceeae cagagggge gatgetgttt coatecteet egteaamace attetegetg tgaggettga caatett aaggetgtge etggaggag gygetgegg gaaceagtt gtgetgee eggtgg cagacatgage etggaatga gygetgegg gaaceagtt gtgetgee agceagga teaggaggaggagggggggggggggggggggggg	accc 4440 ygca 4500 yggc 4520 ectc 4680 ygc 4740 aagt 4800 atat 4860 agtc 4920 cccc 5040 ettt 5100 gttg 5160
cagacettte agccagtget gteagtgeee etgggaggga aggggeteee tgagggeg gaatggteee teagggtgeag gggaggagaa agcetggeea cagaggagee tectaag gatgctgtag caagggace etteceeae teteceeaeg cagagggge tteca aaggettgtg ggggettga eaacaagaat etgecettg eggettga eaatett cagcatgage etgeaggggetgggggggggggggggggggggg	accc 4440 ygca 4500 ggc 4500 ggc 4620 cctc 4680 aagt 4800 atat 4860 agtc 4920 cccc 4980 cccc 5040 ttt 5100 gttg 5160 ctcc 5220
cagacettte agccagtget gteagtgeee etgggaggga aggggeteee tgagggeg gaatggteee teagggtgeag gggaggagaa agcetggeea cagaggagee tectaag gatgctgtag caagggace etteceeae teteceeaeg cagagggge tteca aaggettgtg ggggettga eaacaagaat etgecettg eggettga eaatett cagcatgage etgeaggggetgggggggggggggggggggggg	accc 4440 ygca 4500 ggc 4500 ggc 4620 cctc 4680 aagt 4800 atat 4860 agtc 4920 cccc 4980 cccc 5040 ttt 5100 gttg 5160 ctcc 5220
cagacettte agceagtget gteagtgee etgggaggga agggeatee tagagge gaatggtee teagggtgeag aggaggagaa agcetggeea cagaggagee tectaag gatgetgtag eaaggeage etteceeae teteceeae eaggaggge teeagagggette aaggettgtg ggggettga eaacagaat etgceetgtg eegettga eaatet aaggettgtg ggggettga eaacaggaat etgceetgtg eegettga eactet eaggagtetg etgcaggag gggettgeg gaaceagat gtgetgeee agceat loogggtetg etgcaggag ggettgag gaacagat gtgetgeee agceat gaacagragg gtetaactgt gettactga ecagtteaa acagaacaa ggaaaa etcaatggt tettgaagg eattadeae geagtaggetgetgetgetgetgetgetgetgetgetgetgetget	accc 4440 ggca 4500 ggca 4500 ggce 4620 sccc 4680 accc 4740 aagt 4800 atat 4860 atat 4860 accc 5040 sttt 5100 gttg 5160 accc 5220 accc 5280
cagacettte agccagtget gteagtgee etgggaggga agggeatee tagagggaaggeaggaaggeaggaaggaaggaaggaagga	accc 4440 ggca 4500 ggca 4500 ggc 4620 cctc 4680 aagt 4800 atat 4860 ccc 4980 cccc 4980 cccc 4980 cccc 5040 gttg 5160 gttg 5160 gttg 5280 gtcc 5280 gtcc 5280
cagacettte agceagtget gteagtgee etgggaggga agggeteec tpagggeggaagagtgeec teagggggagae agggaggae aggaggage tectaaggaggatgtgag caaggaggae tectaaggaggatgtgtt caatectee etgcaaaaaca atetegeeg etgagtgtg caategaggag gagetggag agaeggaggaggaggaggaggaggaggaggaggaggagga	accc 4440 ggca 4550 ggca 4550 ggc 4620 ggc 4740 aagt 4800 agtc 4920 cccc 5040 ctt 5100 gtt 5160 gtc 5220 acac 5280 gtccc 5340 gcac 5340
cagacettte agceagtget gteagtgee etgggaggga agggeteec tpagggeggaagagtgeec teagggggagae agggaggae aggaggage tectaaggaggatgtgag caaggaggae tectaaggaggatgtgtt caatectee etgcaaaaaca atetegeeg etgagtgtg caategaggag gagetggag agaeggaggaggaggaggaggaggaggaggaggaggagga	accc 4440 ggca 4550 ggca 4550 ggc 4620 ggc 4740 aagt 4800 agtc 4920 cccc 5040 ctt 5100 gtt 5160 gtc 5220 acac 5280 gtccc 5340 gcac 5340
cagacettte agccagtjet gteagtgee etgggaggga agggeatee tagagggeagaatggtee teagggaggeagaagaagetggeagaagaggeagaggaagagggaagagggaagagggggaagagggggg	acce 4440 ggca 4500 ggca 4500 ggca 4500 ggca 4620 acce 4740 acce 4980 acce 4980 acce 5040 attt 5100 attt 5100 attt 5200 gttg 5340 acae 5280 gtce 5460
cagacettte agceagtget gteagtgee etgggaggga aggggateee taggggagga gaatggtee teagggtgeag ggggategaa agcetggeea cagaggage tectaag gatgetgtt ceatectee etgeaaaaca atetegeeg etggetgeagaggeegeegeegeegeegeegeegeegeegeegeeg	acce 4440 ggca 4500 ggca 4500 ggca 4620 ggce 4740 aagt 4800 agte 4920 acce 5040 attt 5100 acce 5220 acac 5220 acac 5280 actt 5400 actt 5520
cagacettte agccagtjet gteagtgee etgggaggga agggeateee tgagggeggaaggaaggeggaaggaaggaaggaaggaagg	accc 4440 ggca 4500 ggca 4560 ggca 4580 ggca 4620 especto 4680 accc 4740 accc 4980 accc 4980 accc 5040 accc 5040 accc 5280 gtc 5340 acca 5280 espectage 5580 acca 5400 acca 5400 acca 5400 acca 5540 acca 5580 acca 5580
cagacettte agceagtget gteagtgee etgggaggga aggggateee taggggagge gaatggtee teagggggace goggaagaagagetggea aggaggagae teetaaggatgtgtg gaatggeatgga gactggagaa agcetggeace agaggagge teetaagggatgtgtt caatectee etgesaaaac attetgeetg etgggettga caategagagagactgetga agactgtgag gaggetgga gagcaggaggatggagaagagagagaagaagaagaagaagaaga	acce 4440 agca 4500 agca 4500 agca 4500 agca 4620 agca 4740 agta 4800 atat 4860 agta 4920 acce 5040 attt 5100 agtt 5160 acce 5220 acac 5220 acac 5220 acac 5400 attg 5460 aga 5520 attg 5580
cagacettte agceagtget gteagtgee etgggaggga aggggateee taggggagge gaatggtee teagggggace goggaagaagagetggea aggaggagae teetaaggatgtgtg gaatggeatgga gactggagaa agcetggeace agaggagge teetaagggatgtgtt caatectee etgesaaaac attetgeetg etgggettga caategagagagactgetga agactgtgag gaggetgga gagcaggaggatggagaagagagagaagaagaagaagaagaaga	acce 4440 agca 4500 agca 4500 agca 4500 agca 4620 agca 4740 agta 4800 atat 4860 agta 4920 acce 5040 attt 5100 agtt 5160 acce 5220 acac 5220 acac 5220 acac 5400 attg 5460 aga 5520 attg 5580
cagacettte agccagtjet gteagtgee etgggaggga agggeatee tegaggge gaatggtee teagggtgeag ggggaggaa agcetggea agagggage beetaag gatgetgttt coalcetee etgeaaaaca ateteggee agaggggee teetaag aggettgtg gggettga caacaggaat etgeetgtg gaaceagtt gteagtee agtgge teegggtetg etgggagtga atgagtgee actggeagtgt gteagtee agtggaggeagt agaaagcaag gtetaactg etgeagtgeagtgeagtgtgtgggggeagtggaggaggaggaggaggeagtgtatttagaagaagaac stettgtggt tittgaaca catttaggt titttttaa caccatgte acttgg teegggaggggggeagggggggggggggggggggg	accc 4440 agca 4500 agca 4500 agca 4500 agca 4620 accc 4680 agcc 4740 agta 4860 attat 4860 attat 4860 attat 5100 attat 5100 accc 5040 attat 5100 accc 5280 accc 5280 accc 5280 accc 5280 accc 5340 acca 5400 acca 5400 acca 5400 acca 5580
cagacettte agccagtjet gtcagtjece etgggaggga aggggetece taggggageageageageageageageageageageageag	accc 4440 ycca 4500 ycca 4500 ycca 4560 ycca 4620 ycca 4
cagacettte agccagtjet gteagtjeec etgggaggga agggeatece tjagggeaggeagaegae	accc 4440 groa 4500 groa 4500 groa 4560 groa 4560 groa 4560 accc 4680 accc 4680 accc 4680 accc 4680 accc 5040 accc 5
cagacettte agccagtjet gteagtjeec etgggaggga agggeatece tjagggeaggeagaegae	accc 4440 groa 4500 groa 4500 groa 4560 groa 4560 groa 4560 accc 4680 accc 4680 accc 4680 accc 4680 accc 5040 accc 5
cagacettte agccagtjet gtcagtjece etgggaggga aggggatece taggggageageagageageagageageagageageagageagageagageagageagageagageagageagageagagageag	accc 4440 grea 4500 grea 4560 grea 4560 grea 4560 grec 4680 agt 4800 atat 4800 atat 4820 accc 5040 accc 5040 attt 5160 accc 580 accc 5800 accc 5480 accc 548
cagacettte agceagtget gteagtgee etgggaggg agggeagee teagagggage gaatggtee teagggggeage agggaggage aggeagggg aggggagge teetagagggggatggg aggggagggg	accc 4440 groa 4500 groa 4500 groa 4560 groa 4560 groa 4560 groc 4740 aagt 4800 atat 4800 atca 4920 accc 5040 grtc 4920 accc 5040 grtc 4920 accc 5040 grtc 5140 accc 5280 grtc 5280 grag 5640 accc 5280 grag 5640 acct 57760 adgr 5760 adgr 5780 grag 5640 acct 57760 grag 5640 acct 57760 adgr 5820 acct 57760 adgr 5820 acct 57760 adgr 5820 acct 57860 acct 5786
cagacettte agccagtjet gtcagtjece etgggaggga aggggatece taggggace toctagggggace toctaggggggace toctaggaggggace toctaggaggggace toctaggaggggace toctaggaggggace toctaggaggggace toctagagggggace toctagagggggace toctagagggggace toctagagggggace toctagagggggace toctagagggggace toctagagggggace toctagagggggace toctagagggggace toctagaggggace toctagaggggace toctagaggggace toctagaggace toctagaggace toctagaggace toctagagace toctaggace tagaace toctaggace tagace toctaggace tagace taga	nece 4440 grea 4500 grea 4560 grea 4560 grea 4560 gree 4680 gree 4800 angt 4800 angt 4800 angt 4920 anece 5940 anete 5940
cagacettte agccagtjet gtcagtjece etgggaggga aggggatece taggggace toctagggggace toctaggggggace toctaggaggggace toctaggaggggace toctaggaggggace toctaggaggggace toctaggaggggace toctagagggggace toctagagggggace toctagagggggace toctagagggggace toctagagggggace toctagagggggace toctagagggggace toctagagggggace toctagagggggace toctagaggggace toctagaggggace toctagaggggace toctagaggace toctagaggace toctagaggace toctagagace toctaggace tagaace toctaggace tagace toctaggace tagace taga	nece 4440 grea 4500 grea 4560 grea 4560 grea 4560 gree 4680 gree 4800 angt 4800 angt 4800 angt 4920 anece 5940 anete 5940
cagacettte agceagtget gteagtgee etgggaggg agggeagee teagagggage gaatggtee teagggggeage agggaggage aggeagggg aggggagge teetagagggggatggg aggggagggg	nece 4440 grea 4500 grea 4560 grea 4560 grea 4560 gree 4680 gree 4800 angt 4800 angt 4800 angt 4920 anece 5940 anete 5940

<210> 152

```
<211> 2341
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 245099.8
gctgccaggt ccgggacggt ggcgctggcg gttgctgtca gctgattccc ggggttggtg 60
geageggegg tageageaat ggaetttete etggggaace egtteagete tecagtggga 120
cagogoatog agaaagocac agatggotoc otgoagagog aggactgggo cotoaacatg 180
gagatetgeg acateateaa egagaeggag gaaggteesa aagatgeeet eegageagta 240
aagaaggagaa tegtggggaa taagaactte caegaggtga tgetggetet caegagtta 300
gaaacctgtg tcaagaactg cgggcaccgc ttccacgtgc tggtgqccag ccaggacttc 360
gtggagagtg tgctggtgag gaccatectg cecaagaaca acceaeccae categtgcat 420
gacaaagtgc tcaacctcat ccagtcctgg gctgacgcgt tccgcagctc gcccgatctg 480
acaggtgtgg tcaccatcta tgaggacctg cggaggaaag gcctggagtt ccccatgact 540
gacctggaca tgctgtcacc catccacaca ccccagagga ccgtgttcaa ctcagagaca 600
caatcaggac aggattetgt gggcactgac tecagecage aagaggacte tggccageat 660 getgeeeete tgecegeee geccataete teeggtgaca egeceatage aceaaceeeg 720
gaacagattg ggaagctgcg cagtgagctg gagatggtga gtggggaacgt gagggtgatg 780
teggagatge tgaeggaget ggtgeceace caggecgage eegeagacet ggagetgetg 840 caggagetea acegeacgtg eegagecatg cageagggg teetggaget cateceteag 900
atogocaatg agoagotgac agaggagotg otcatogtca atgacaatot caacaatgtg 960
tteetgegee atgaacggtt tgaacggtte cgaacaggee agaccaccaa ggeeccaagt 1020
gaggeogage eggeagetga cetgategae atgggeoetg acceageage caceggeaac 1080
ctctcatccc agctggcagg aatgaacctg ggctccagca gtgtgagagc tggcctgcag 1140
tetetggagg cetetggteg actggaagat gagtttgaca tgtttgeget gacacgggge 1200
ageteactgg etgaceaacg gaaagaggta aaatacgaag ecceecaage aacagacgge 1260
ctggctggag ccctggacgc ccggcagcag agcactggcg cgatcccagt cacccaggcc 1320
tgcctcatgg aggacatcga gcagtggctg tccactgacg tgggtaatga tgcggaagag 1380
cctaaggggg tcaccagcga agaatttgac aaattcctgg aagaacgggc caaagccgcg 1440
gaccgattgc ccaacctctc cagcccctca gctgaggggc ccccgggtcc cccatctggc 1500
gacogacog coaaccatta agogagaaa gataqtagaa tyctyttty citatyagty 1500
tygygtotog caccetogaa ccaaggacaa gataqtagaa tyctyttyty citatyagty 1500
cectocotog caccetogaa ccaagtoc cactototo acacettag setaggacot 1620
cectocoto tetygtytta agogtytyt gaggytygot tyttaceco ttttcotoc 1680
ctttgaagac ggagctgccc cagctgtggc tgggggtgtg gaggcagtgg gatgaactgg 1740
gggacaggtc tgcgctgcag tgggatctgg ctgctctgcc tcctttccca ccccagctga 1800
ocatgagact tigotgagaa giggaggoo caggacaggo tggotggotg getggotgot 1860
tgacocartg tgacticost beactgagtg atacestegt cogggocoat goccasagga 1920
gocotloaga goccacactg coagtogagg octggotgga ggotggocac agiggaaatt 1980
ctgccgagcc tettgteeet teectgetet getgcatggg geccatgge tittggetgge 2040 cactgagggt agggtgtgga ggtgtggagg eccectgagg agetgeggeg geccaggtae 2100
gaagetgcaa etetgcgcge agtgggcgag ateteateag ecceaggetg eaggtgagge 2160
tteaggggat getggggee eactgeeet eegetgeett geeetceate etteetetgt 2220
teettetgge egggeaceae ageactgggg eteacetett ggttgateet ettgtactgg 2280
gagaggtgcc ttttgtatcc ccaattaaag gtagaaaacc accetgctaa gcagcattgt 2340
                                                                                     2341
<210> 153
<211> 2020
<212> DNA
<213> Homo sapiens
<221> misc_feature
<223> Incvte ID No: 245481.2
<400> 153
geggeggeaq eggaqgegge qqetecaqee qqeqeqqeqe qaqqeteqqe qqtqqqatee 60
ggegggeggt gctageteeg egeteeetge etegeteget geegggggeg gteggaagge 120
geggegegaa geeegggtgg eeegagggeg egactetage ettgteacet eatettgeee 180
eettggtttt ggaagteetg aagagttggt etggaggaeg aggaggaeat tgatgtgett 240
ttgccgccgc cgccgcagtt gtctacgccc agagacacag tccacaggag gcaccccatg 360
tgcagtacga gcgcctgggc tctgacgtga cactgccatg tgggacagca aactgggatg 420
```

ctgcgytgac gtggcggta agctygtget ocatggcety actactgggc actggcog tgctoagct gcctcoag tgctoagct gccytcoa tgctoagct gccytcoa tgctoagct gcctcoa tgctgag aggaccagtg ccagtgc ccggcaccc tggaaggag gccaggtg cgccaggtg gccaggtg cgccaggtg gcaggacaca agatctgtg accttgga tgagccggc accetggg tgagcggc accetggg tgagcggc accetggg tgagcggc accetggg tgagcggc accetggg tgagcggc accetggg tcagaggag tcagggg tcaggg t	gaactigggce cacattaccce cacttacate cacctaagaac ctcaagaac ctcaagaac ctcaagaac ctcaagaac cacattgtg cacattgtg cacattgtg cacattgtg cacaagac gacgg ggtggagc ggtggagc ctggcagc cctggcagc cctgagagg ccttggcag cctctacac cacacaaa gctctatcc ttgctgtatt	acagtigocet ctgcatgtyg aagggettet gtgactgtgcaca gtcagcaca gaggtgacgt tttctgoget acaggcacaca aaggacaca acgagcacaca acgagcacaca acgagcacaca acgagcacaca acgagcacaca acgagcacaca acgagcacaca acgagcacaca accagcacaca accagcacaca accagcacaca accagcacaca accagcacaca accagcacaca accagcacaca accagcacaca accagcacaca accagcacacaca	etacgeetge gettgeegee actgeagetg tgeatggete ttegetaeat ecetggeea etceagaaae gyeagaceee acgaceet eggeacacet tggacacec etgegacacet tggacacec etgegacacet tggacacec etgegacagaga agagacettt egececeag tgacaget egececeag tgcaget tgcaget tgcaget tgcacece tgcacet tgcacecet tgcacecet tgcacecet tgcacecet tgcacecet tgacaceagaa tgacaget tace tgcacecet tgcacecet tagcacecet t	ttccaccttg gcaggaget gcatctgcec caaaattatg gcacctgttc caatgcaca tgtggtagc catctggae tgcatctggae caccacgga acctaccacg actcacacggag acctaccacg gcttcttggtc tctttggtc tctttggtc gcattcttgt cactctggae caccacgag accaccacca tgcagaget caccaccacca tgcagaget cacctgcge cacccacca tgcagaget cacctctgttttg cagtgccttc tgtttg tggaggagec cactgttttg cagtcccttc	540 660 720 780 840 9900 1020 1080 1140 1260 1320 1440 1560 1560 1740 1880 1740 1880 1920
<220> <221> misc_feature <223> Incyte ID No: 22	25021.4				
<220> <221> unsure <222> 2821-2851 <223> a, t, c, g, or c	other				
<400-154 acggrtycae cctetaga graggytyae tacaagcag graggytyae tacaagcag graggytyae tacaagcag graggytyae tacaagcag gractygyae cactggeag tacatcagag tactgaga tactgagag tacaagcag tacaagcag tacaagcag tacaagcag tacaagcag tacaagcag tacaagcag tacaagcag tacaagcag graggagagagagagagagagagagtagagagagtagagagtagagagtagagtagagagagtagagagtagagagtagagagtataagagagagtataagagagagtataagagagagagagagtataagagagagagagagagagagagagagagagagagagaga	cacagocatg cotygoaactg cotygoacacgocag cagoctacte gacottocte gacottocte gacottocte cotocttge cotocttge cotocttge cagggggta catottce gagggggta catottce gacocgt gotoctce accoatget caggategt cagattge caggategt gagatette caggategt catottactg gotoctce caggatget catottactg gotoctce caggategt catottactg gotoctce caggategt catottactg gotoctce caggategt caggatett ctgagatect ctgagatect ctgagatect ctgagatect ctgagatect cotyga	aactaccege gacagattgg gaggggcce ttcetcetyg acacgcagtt ttcatcttgc tgcatagccg ggctcctct ttgccagaga tgcaccttct taccatytg gtgcacaggt taccatytg gtgcacaggt taccatytg gtgcacaggt taccatytg gagacacttct taccatytg gagacacttct taccatytg taccatytg taccatytg taccatytg taccatytg taccatytg taccatytg taccatytg taccatytg taccatytc taccatttc taccatttc taccatttc taccatttc taccatttc cagggctac taccatcc cagcccc caacccc caacccc caacccc caaccccc caaccccc	taacgetgga acaactataa teatygeete getgategg caeeggagae cetttgeegt tgattgeegt tgattgeegt teategeege cecaagga cecaagga cecaagge caageatett gegeegtga aceatytyty geeggetga cetgeetee aatyeeaeet tgggeege catgeetee aatyeeaeet tgggeege actgeetee aatyeeaeet	aatggaccte cygoacctec cytoaaggce caacgtectg cttectgtte ggccgaggg gcacaagte cactgtggg caaagtcage caagrcaga cttectetg ggcgtgga cttectetg ggcgtgga gttectag agttectag agtgtcage cettectetga agtgtcage	120 180 240 300 360 420 480 540 660 720 780 960 1020 1140 1200 1260 1320 1380

```
acagtgaagg ctgtccttac ccatctgcac ccccctgggc tgagagaacc tcacgcacct 1500
cccatcctaa tcatccaatg ctgaagaaac aacttctact tctgcccttg ccaacggaga 1560
gegeetgeee eteccagaac acactecate agettagggg etgetgacet ccacagette 1620
ecetetete teetgeecac etgteaaaca aageecagaa getgageace aggggatgag 1680
tggaggttaa ggctgaggaa aggccagctg gcagcagagt gtggccttcg gacaactcag 1740
tecctagaaa cacagacatt etgecaggee eccaageetg cagteatett gaccaageag 1800
gaageteaga etggttgagt teaggtaget geecetgget etgacegaaa eagegetggg 1860
tecaceccat gteaceggat cetgggtggt etgeaggeag ggetgaetet aggtgecett 1920
ggaggccagc cagtgacctg aggaagcgtg aaggccgaga agcaagaaag aaacccgaca 1980
gagggaagaa aagagettte tteeegaace eecaaggagg gagatggate aatcaaacee 2040
ggoggtcecc tecgecagge gagatggggt ggggtggaga actectaggg tggetgggte 2100
caggggatgg gaggttgtgg gcattgatgg ggaaggaggc tggcttgtcc cctcctcact 2160
cccttcccat aagctataga cccgaggaaa ctcagagtcg gaacggagaa aggtggactg 2220
gaaggggccc gtgggagtca tctcaaccat ccctccgtg gcatcacctt aggcagggaa 2280
gtgtaagaaa cacactgagg cagggaagtc cccaggcccc aggaagccgt gccctgcccc 2340
cgtgaggatg teactcagat ggaaccgcag gaagctgete cgtgettgtt tgetcacetg 2400
gggtgtggga ggcccgtccg gcagttctgg gtgctcccta ccacctcccc agcctttgat 2460
caggigggga gicagggace cetgecetig teccaeteaa gecaageage caageteett 2520
gggaggcccc actggggaaa taacagctgt ggctcacgtg agagtgtctt cacggcagga 2580 caacgaggaa gccctaagac gtcccttttt tctctgagta tctcctcgca agctgggtaa 2640
togatggggg agtotgaago agatgcaaag aggcaagagg otggattttg aattttottt 2700
ttaataaaaa ggcacctata aaacaggtca atacagtaca ggcagcacag agacccccgg 2760
aacaagccta aaaattgttt caaaataaaa accaagaaga tgtcttcaca tattgtattt 2820
nnnnnnnnn nnnnnnnnn nmnnnnnnn natggtacaa aatggctggg ggtgtggcca 2880
tygagactyg agyggagyty cactyactca gatyaactyt tetececett etttgataag 2940
aagtagytyg cagcagcete tygaaaayte agygeeetyg agyttacety geceaygget 3000
actacageca e
<210> 155
<211> 899
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 451767.28
<400> 155
gacaggagac ggacaggggt cagatgaccc tgatagggaa gagagggtgc tgacggtgtt 60
cagaatttca aattttaatt aaaatgaaaa aaaaatgtca acttggaatg tcatgatttt 120
cttcaaacaa gcaacgacaa caaaatagaa gagattaaac tattggcata tttaacagca 180
ttgaacagaa ttctgtgtcc tgtaaaaaaa ttagcttatg tccccatgtg ggtatatgca 240
aatgtgtata caaacatate eccetaggtg agetaaacac tattetggaa atagtateet 300
ctacccaaat ctacttggct atatctgtgg atagtgtatg gtgtgtgtat ttatccaatt 360
tacataaaag aaagctcctg gccaaatcta ccaaagcgtt ttccattatg taagaaagta 420
gggattgtca cacatgggca gtcagatgtg atattttgcc agaggaaaaa aaatgatgct 480
ggtcctgaaa gttgtcatgc ttcaaactca caattgagga aaggaatctg atagattcac 540
tgaaatcata ataactcaaa agattagtac aattctaggc tcatcaggaa gttttaggga 600
tgttatgtat gatcttttat ataaaatacg gttttgtgtc tacatgaaat gtcacatatg 660
aatgttaaaa acgtagaaga gtagggaatc tttagggaaa ggagagtaat ggagggcctg 720
ggatgtggtt ttgtacacta atacactaaa aagagtattt cttagggtgg agagatgaaa 780
actgitagga aatactatta tgggccaaga atittgatgg gaatggaaca tgtgaatgtc 840 actctgatca cttttatgta aaaattataa tttaattaat aaaaaatttc ttaagaagt 899
<210> 156
<211> 2430
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 902142.11
<400> 156
tgattteete ecctatttee etgeatttet eetetgtget eattgeeaca tgeageteag 60
cetgggetac acagecaggt gteagatgtg tetetgetga tetgagtetg cetgtggeat 120
ggacetgeat ettecetgaa geateteeag ggetgaaaaa teactgacea tggcaceatg 180
```

```
gteteateea tetgeacage tgeagecagt gggaggagae geegtgagee etgeceteat 240
ggttctgctc tgcctcgggc tgagtctggg ccccaggacc cacgtgcagg caggtgagtc 300
tgtccccage tgtcccaggt cectectect caatggggac aaagggccae ccatgggcag 360 etggaggtga agaccgcagt tetgggtgat tgatggggac gtctggaggg tecteggget 420
gagagetggg atetgagggg tggggaggte ttggageeca gaetetgatt teetteeagg 480
gaacteecca aacceaccet etgggetgag ceaggetetg tgateagetg ggggaactet 540
gtgaccatct ggtgtcaggg gaccctggag gctcgggagt accgtctgga taaagaggaa 600
ageccageae cetgggacag acagaaceea etggagecca agaacaagge cagattetee 660
atcccatcca tgacagagga ctatgcaggg agataccgct gttactatcg cagccctgta 720
ggetggteac ageccagtga ececetggag etggtgatga caggageeta cagtaaacce 780
accetteag cectgeegag tectettgtg accteaggaa agagggtgae cetgetgtgt 840
cagtcacqqa qcccaatqqa cacttttctt ctqatcaaqq aqcqqqcaqc ccatccccta 900
etgeatetga gateagagea eggageteag cageaceagg getgaattee ecatgagtee 960
tgigacetea gityaacggg ggacetacag gigetteage teacacgget teteceacata 1020
ectgetgtea caccecagtg accecetgga geteatagte teaggagetee tggagggtee 1020
caggecetea eccacaaggt cegteteaac agetgeagge cetgaggace agececteat 1140
gcctacaggg tcagtccccc acagtggtct gagaaggcac tgggaggtac tgatcggggt 1200
cttggtggte tecatectge ttetetecet ectectette ectectecte caacactgge 1260
Steagggaaa acacaggaca ttggcccaga gacaggctga tttccaacgt cotccagggg 1320
ctgccgagcc agagcccaag gacggggcc tacagaggag gtccagccca gctgctgacg 1380
tccaggggag aaacttctgt gctgcgtga agaacacaca gcctgaggac ggggtggaaa 1440
tggacactc
actocagace taggagagaa atggcetete etecetece actgtetggg qaatteetgg 1560
acacaaagga cagacaggac gaagggaca gacagatgac gacagatggc gotgcatctg 1620
aagcococca gyatgtaacc tacgccagc tycacagctt taccocagc gacagatgaca tacgccagct tyaccoctaga cagaaggaca 1740
ctyagoctoc tecatoccag gaaggggct ctcagctgta goccatgtc tatgccact 1740
tggccatcca ctaatccagg ggggacccag accccacaag ccatggagac tcaggacccc 1800
agaaggeatg gaagetgeet ceagtagaca teactgaace ceagceagee cagacecetg 1860
acacagacca ctagaagatt ccgggaacgt tgggagtcac ctgattctgc aaagataaat 1920
aatatooctg cattatoaaa ataaagtago agacototoa attoacaatg agttaactga 1980
taaaacaaaa cagaagtcag acaatgtttt aaattgaatg atcatgtaaa tattacacat 2040
caaaccaatg acatgggaaa atgggagctt ctaatgagga caaacaaaaa atagagaaaa 2100
attaataaag tcaaaatgtt tattettgaa aacattaatg atacatgaat ettgggggca 2160
ccatggaggg aaaattccat actgggataa agggaaacct attcaataca agggccgggg 2220
ggttacccga aatccgggaa ttccgcaaaa gcgcggggac aataaggtgt gtttcccccg 2280 ggtggggaaa aaattgttta ttacggcct cacgaatttt ttcccgacat atgaatttcc 2340
gggagccggg gtaagccctc ataaagtgtg ttaaaaaccc tettgggggg gggcccctaa 2400
attgtaaaat aaggcccccg aaccctccac
<210> 157
<211> 5329
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incvte ID No: 291095.5
<220>
<221> unsure
<222> 5225, 5317, 5319, 5321
<223> a, t, c, g, or other
<400> 157
gegggatgge gegetttgae tetggagtgg gagtgggage gagegettet gegaeteeag 60
ttgtgagage egcaagggge atgggaattg aegceactea eegaceeeca gtetcaatet 120
caacgetgtg aggaaacete gaetttgeca ggteeceaag ggeagegggg eteggegage 180
gaggeaceet teteegteec cateceaate caagegetee tggeactgae gaegecaaga 240
gactegagtg ggagttaaag etteeagtga gggeageagg tgteeaggee gggeetgegg 300
gtteetgttg acgtettgee etaggeaaag gtcecagtte etteteggag ceggetgtee 360
egggeactg gaaaccgcac eteccogcag catgggcacc agectcagec cgaacgaccc 420
ttggccqcta aacccgctgt ccatccagca gaccacgctc ctgctactcc tgtcggtgct 480
ggccactyty catytygycc agcygctyct gagycaacyg agycgycayc tecgytecgo 540
gccaccygyc cyttygyt gycactyat cygaaacygy gogycgytyg gccaygycygc 600
teacctetyg ttogctegec tygcgogycy ctacygcgac ytttecaga tecgectygy 650
caretreece atartretre traatreega regereate caccarreec tretreagea 720
aggeteggee ttegeogace ggeogteett egeteette egtgtggtgt ceggeggeeg 780
```

caggatggct	ttcggccact	acteggagea	ctggaaggtg	cadeddeddd	cagcccacag	840
catgatgcgc	aacttcttca	cgcgccagcc	acacaaccac	caagtcctcg	agggccacgt	900
gctgagcgag	gegegegage	tggtggcgct	gctggtgcgc	ggcagcgcgg	acggcgcctt	960
cctcgacccg	aggccgctga	ccgtcgtggc	cgtggccaac	gtcatgagtg	ccgtgtgttt	1020
eggetgeege	tacagccacg	acgaccccga	gttccgtgag	ctgctcagcc	acaacgaaga	1080
gttegggege	acggtgggcg	cgggcagcct	ggtggacgtg	atgccctggc	tgcagtactt	1140
ccccaacccg	gtgcgcaccg	ttttccgcga	attcgagcag	ctcaaccgca	acttcagcaa	1200
cttcatcctg	gacaagttct	tgaggcactg	cgaaagcctt	eggccegggg	cegeceeeeg	1260
cgacatgatg	gacgccttta	tectetetge	ggaaaagaag	geggeegggg	actegeaegg	1320
		tggagaacgt				
cagecaggac	accetgteca	ccgcgctgca	gtggctgctc	ctcctcttca	ccaggtatcc	1440
		aggcagaatt				
		acctgcccta				
cutcucage	cttgtgcctg	tcactattcc acactgtggt	teatgecace	actyccaaca	eetetgtett	1020
gggctaccac	tagaataaaa	cggagaactt	tratageas	cagiggicig	agaaccatga	1740
		ccagcagagt				
cattagagaa	raactttcta	agatgcagct	ttttctcttc	atctccatcc	taactcacca	1860
		caaatgagcc				
cattaaaccc	aagtcattta	aagtcaatgt	cacteteaga	gagtccatgg	aggteettga	1980
tagtgctgtc	caaaatttac	aagccaagga	aacttoccaa	taagaaggaa	gagggaaggt	2040
		atcttcggag				
		caattagcgt				
ggtgaggtgt	gctccatacc	cageggttet	tcatgagtag	tgggctatgc	aggagettet	2220
gggagatttt	ttttgagtca	aagacttaaa	gggcccaatg	aattattata	tacatactgc	2280
atcttggtta	tttctgaagg	tagcattctt	tggagttaaa	atgcacatat	agacacatac	2340
		ctactgaatg				
		ctcccatatg				
gtttcagagt	atattgttga	agagacagag	acaagtaatt	tcagtgtaaa	gtgtgtgatt	2520
gaaggtgata	agggaaaaga	taaagaccag	aaattccctt	ttcacctttt	caggaaaata	2580
acttagactc	tagtatttat	gggtggattt	accetttige	cttctggtat	acttccttac	2540
totoataggar	theestest	gtcagttgct tatcatgaat	caaaaagaaa	caatagttg	aattagtgag	2700
tacagegggg	tattatagatt	cttttgcttg	ccaaagtac	geattattaa	tataaaaaaa	2020
		aagctttaaa				
agteteatag	attaaaaaaa	aaagtcacca	aatagtgtga	aatatattac	ttaactotcc	2940
otaaocaota	tattagtatt	atcttottca	ggaaaaggtt	gaataatata	tacattatat	3000
aatattgaaa	attgaaaagt	acaactaacg acatggaaat	caaccaagtg	toctaaaaat	gagettgatt	3060
aaatcaacca	cctatttttg	acatggaaat	gaagcagggt	ttetttett	cactcaaatt	3120
ttggcgaatc	tcaaaattag	atcctaagat	gtgttcttat	ttttataaca	tetttattga	3180
aattctattt	ataatacaga	atcttgtttt	gaaaataacc	taattaatat	attaaaattc	3240
		attttaacta				
		ctgaacattc				
gtctgcccaa	tgaataatgg	aaaatgccat	gaattacctg	gatgttcttt	ttacgaggtg	3420
		tcccattaca				
		ctgctttttg				
getgtttgga	aaagacagtg	gagatgaggt	cagttgtgtt	ttttaagatg	gcaattactt	3600
attananttt	gaaagcataa	ageteaaatg	aaatgtatge	acteacattt	agaaaagtga	3720
tectaartee	taagtgctta	agttcattgc ttacatttta	ttaagetttt	tagaatatt	ctacagig	3780
		atagttgtgt				
		aaaagaagga				
		caaaattcaa				
cotaocadao	ttaaatctca	aataggctat	taaaaaaactc	tacaacatag	cagatetott	4020
ttgtggtttg	gaatattaaa	aaacttcatg	taattttatt	ttaaaatttc	atagetgtae	4080
ttcttgaata	taaaaaatca	tgccagtatt	tttaaaggca	ttagagtcaa	ctacacaaaq	4140
		aaattttttg				
ccaaggctga	gacagtgaat	ttgggctgct	gtagcctatt	tttttagatt	gagaaatgtg	4260
tagetgeaaa	aataatcatg	aaccaatctg	gatgcctcat	tatgtcaacc	aggtccagat	4320
gtgctataat	ctgtttttac	gtatgtaggc	ccagtcgtca	tcagatgctt	gcggcaaaag	4380
gaaagctgtg	tttatatgga	agaaagtaag	gtgcttggag	tttacctggc	ttttttaata	4440
		aaaggaaaag				
		attactgctt				
		acaaccatta				
acataguata	ttagenera	aatgetteat	tangetttet	aagctttgac	Letataagea	4740
tttcatctcc	cadaadta	aaaagatgtc cctttacctg	taaagtatta	ctgcgaatt	cccaaaagc	4800
cccatgicc	cayaacttag	certacetg	iyaayigila	ctacageett	aatattttcc	4000

```
tagtagatet atattagate aaatagttge atageagtat atgttaattt gtgtgttitt 4860 agetgtgaca caactgtgtg attaaaaggt atactttagt agacatttat aactcaagga 4920
taccttctta tttaatcttt tcttattttt gtactttatc atgaatgctt ttagtgtgtg 4980
cataataget acagtgcata gttgtagaca aagtacatte tggggaaaca acatttatat 5040
gtagccttta ctgtttgata taccaaatta aaaaaaaatt gtatctcatt acttatactg 5100
ggacaccatt accaaaataa taaaaaatcac tttcataatc ttgttatgaa gttttatgtt 5160
gtagcaaata tagtctaatg tatcacttta tttcaactat tacagtgcaa tattttaatt 5220
gaatnatcca tagtaatagt tgaaataaag tgatacatta gactatattt caactattac 5280
tatggattat tcaattaaaa tattgcactg taaaaanana naaaaaggg
<210> 158
<211> 1889
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incvte ID No: 332919.4
<221> unsure
<222> 1655-1681, 1882
<223> a, t, c, g, or other
<400> 158
getegaggga gtgttaette ggtteecagg ttggaagatt ateteaceeg geeceageta 60
tataagetga ceggtgtgga ggggeecage agggeeaact ceagggatte ettecaegae 120
agaaaaacat acaagactcc ttcagccaac atgatggtac tgaaagtaga ggaactggtc 180
actggaaaga agaatggcaa tggggaggca ggggaattee tteetgagga ttteagagat 240
ggagagtatg aagctgctgt tactttagag aagcaggagg atctgaagac acttctagcc 300
caccetgtga ceetggggga geaacagtgg aaaagegaga aacaaegaga ggeagagete 360
aaaaagaaaa aactagaaca aagatcaaag cttgaaaatt tagaagacct tgaaataatc 420
attcaactga agaaaaggaa aaaatacagg aaaactaaag ttccagttgt aaaggaacca 480
gaacctgaaa toattagga acctgtggat gtgcctacgt ttotgaaggc tgctctggag 540
aataactgc cagtagtagga aaaattottg toagacaaga acaatocaga tgtttgtgat 600
gagtataaac ggacagctct toatagagca tgcttggaag gacatttggc aattgtgga 660
aagttaatgg aagctggagc ccagatcgaa ttccgtgata tgcttgaatc cacagccatc 720
cactgggcaa gccgtggagg aaacctggat gttttaaaat tgttgctgaa taaaggagca 780
aaaattagcg cccgagataa gttgctcagc acagcgctgc atgtggcggt gaggactggc 840
cactatgagt gegeggagea tettategee tgtgaggeag aceteaaege caaagacaga 900
gaaggagata ccccgttgca tgatgcggtg agactgaacc gctataagat gatccgactc 960
ctgattatgt atggcgcgga tctcaacatc aagaactgtg ctgggaagac gccgatggat 1020
ctggtgctac actggcagaa tggaaccaaa gcaatattcg acagcctcag agagaactcc 1080
tacaagacct ctcgcatagc tacattctga ggcaaacgac agactcttaa tcagtaaatg 1140
ttcactggca ttttgaaggc atggcccaag agaagagaca ctagccataa aatctagttt 1200 ctatttatca acgtgttgtg aagatgtacc taatgaagtt ttgagaaagc acagggttat 1260
aggtgtttaa atttccttta gtgaaactct tatttatttt tatgtattcc tgtttattta 1320
titactgcca cgctactgat attcagacct tcatgatcat ccatctggtg agcagagett 1380
cattiguata taacactitic agageettee caeccatagg tagtiettaa accaggigaa 1440
agagcaaagt tcaagtgcct acttatgtgt cattcgctca tgtaagagtt tttaagagag 1500
ggctgattat cacagecete titteteetg aattittaat geagaagitt gaatgaage 1560
agggaaggea tgtagggaca ggaaaggaaa caatggaagg aaagtgatte tgtgaaaagg 1620
acagtgaage Cagetatttt acceccagge tggannnnn nnnnnnnnnn nnnnnnnnn 1680
naccgagtac acagagtacc caagtgaaga gaacgtcatg agtgtaagtg caaatcagtg 1740
gaaggagcgg caaactggga catgcagaat tgaatttgct caaaaaagat gaaaggaaat 1800
gcaaactgta aatgtataaa tgtatattgt attgtatgta cattttatat tcataataaa 1860
ggcaatcaaa ctctaaaaaa anaaaaaaa
                                                                             1889
<210> 159
<211> 3128
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 387130.26
```

```
<220>
<221> unsure
<222> 60, 69
<223> a, t, c, g, or other
<400> 159
gggaaggtgg ctgtggagag tggagttagg acagtggggg agaagttaaa actgtagggn 60
ttggccaanc tgggtgaggg gatccaagca gtgctagaca tgctcttgaa tgcccctcct 120
tttcctggcc ctcccccag gtatgctctg gcatcccatt tcttctgggg tctgtggtcc 180
atcetecagg catecatgte caccatagaa titggttact tggactatge ceagtetegg 240
ttccagttct acttccagea gaaggggcag ctgaccagtg tccactcctc atcctgactc 300
caccetecca etecttggat tteteetgga geeteeaggg caggaeettg gagggaggaa 360
caacgagcag aaggecetgg cgactggget gagececeaa gtgaaactga ggttcaggag 420
accggectgt teetgagttt gactetaatg ccaecatect caegagacte tggggcece 480
caggetecca gacetttgag caacetteae egeacagaaa eccageegeg ecctgeaatt 540
cccaccgegg aaggtgccga ccaaccccca ggatggcgga agctcaccag gccgtggcct 600
tocagttcac ggtgacccca gacgggtcg acttccggct cagtcgggag gccctgaaac 660
acqictacto gycyacoca yacqigyyddy actholygdt gathogoai ycertyaaab acqictactof itotgggafo aacthologa agaacqoct gathogoaib acqictacoc i golagococa coagolggot gytegtoato algoaligca 700 tooloaggg ogtyfacocb gygagococa coagolggot gytegtoato algoaligca 840 goolococbo otbolgoano gygagotot coclacoaga cocogoagaa cogggoalt otbagoalig 900
coatettete caegggegte tgggtgaegg geatettett etteegeeaa accetgaage 960
tgettetetg etaccatggg tggatgtttg agatgeatgg caagaceage aacttgacea 1020
ggatetggge tatgtgtate egeettetat eeageeggea eeetatgete tacagettee 1080
agacatetet geceaagett cetgtgeeca gggtgteage cacaatteag eggtacetag 1140
agtotgtgcg ccccttgttg gatgatgagg aatattaccg catggagttg ctggccaaag 1200
aattcagga caagactgcc cccaggctgc agaaatacct ggtgctcaag tcatggtggg 1260
caagtaacta totgagtgac togtgggaag agtacatcta cettegagge aggagecete 1320
tcatggtgaa cagcaactat tatgtcatgg accttgtgct catcaagaat acagacgtgc 1380
aggeageegg cetgggaaac ateateeaeg ceatgateat gtategeegt aaactggace 1440 gtgaagaaat caageetgtg atggeaetgg geatagtgee tatgtgetee taceagatgg 1500
agaggatgtt caacaccact cggatcccgg gcaaggacac agatgtgcta cagcacctct 1560
cagacagoog geacgtgget gtctaccaca agggacgett ettcaagetg tggetetatg 1620
agggegeeeg tetgeteaag ceteaggate tggagatgea gtteeagagg ateetggaeg 1680
accectocce accteageet ggggaggaga agetggeage ceteaetgea ggaggaaggg 1740
tggagtgggg goaggeage caggeettet tragetetgg aaagaataag getgeettgg 1800
aggeeatega gegtgeeget trettegtgg ecetggatga ggaatectae tectatgace 1860
cogaagatga ggccagcete ageetetatg gcaaggeeet getacatgge aactgetaca 1920
acaggtggtt tgacaaatcc ttcactctca tttccttcaa gaatggccag ttgggtctca 1980
atgoagagoa tgogtgggoa gatgotocoa toattgggoa cototgggag titgtootgg 2040
goacagacag citocacotg ggotacacgg agacogggoa cigootgggo aaacogaaco 2100
ctgcgctcgc acctcctaca cggctgcagt gggacattcc aaaacagtgc cagcggtca 2150
tcaagagttc ctaccaggtg gccaaggcgt tggcagacga cgtggagttg tactgcttcc 2220
agticotyco citiggicaa gyocicatca agaagtycog gaccagcoct gatgottig 2200 tgeagateg gotgoagetg goteactico aggacagggg taagtictgo cigacotate 2340 aggocicaat gaccagaatg thought tocggagg gacggactga gactgtgogt toctgtacca 2400 gogagtocac agcottity oaggociya tggaggyt cocacacaaaa goagacctgc 2460
gagatetett ecagaagget getaagaage accagaatat gtacegeetg gecatgaceg 2520
gggcagggat cgacaggcac ctcttctgcc tttacttggt ctccaagtac ctaggagtca 2580
ggotaticott octigitigag gigotatogg accotiggeg tototocaco agocagatoc 2640 occaatocoa gatocgoatg ttogacoag agosagoaco caatoacotg ggogotggag 2700 giggottigg cotigiagoa gatigatigge atigagetto etacagoatg caagogaga 2760 acacgatott ottocacoate tocagoaagi totoagota gagagagaa gocoagogot 2820
ttggaaacca catccgcaaa gccctgctgg acattgctga tcttttccaa gttcccaagg 2880
cctacagetg aagecettag gtacetgtgt tttgtttggg aacteggagg ccctcccct 2940
coccagcto agaccacaga ggtggcaaga gaagggctga agctggaaga ctgttcatga 3000
gggacttgtg tgacctgct tgaaattgtg agctctgctg agcacgaag ctgttcatga 3060
agctgtcac gccacgtgt ttgcttggaa taaatacttg cctcagaaca ttcaaaaaaa 3120
aaaaaaaa
<210> 160
<211> 3171
<212> DNA
```

<213> Homo sapiens <220> <221> misc_feature

PCT/US01/11128 WO 01/77389

```
<223> Incyte ID No: 410580.13
 <2201×
 <221> unsure
 <222> 2732-2835, 2837, 2839, 2846, 2861, 2868-2869, 3158
 <223> a, t, c, g, or other
 <400> 160
 acagetgtgt ttggctgcag ggccaagage getgtcaaga agacccacae geceeetge 60
 cagcagetga attectogea geteagcage egeggegga geaggaegga eggegateg 120
 caagggcace tetgagaact teaggatgea gatgteteca geetteacet geetagteet 180
 gggcetggee cttatetttg gtgaagggte tgetgtgeae catececcat cetaegtggg 240
ocaccingo cloagactte gyggtpangg tgttlcagc gttggogga gotcasyg 300
accgoaacg gttttcta coctaiggg tgcctoggt gttggocag ctcaacgga 360
caacaggag agaaaccg cagcagtte agcaggta gygatcag ttggatcag atcaacgtga
 agggcatgge eccegcete eggcatetgt acaaggaget catggggeea tgcaacaagg 480
 atgagatcag caccacagac gcgatcttcg tccagcggga tctgaagctg gtccagggct 540
 teatgeccca ettetteagg etgtteegga geaeggteaa geaagtggae tttteagagg 600
 tggagagago cagattoato atoaatgaot gggtgaagao acacacaaaa ggtatgatoa 660
gcaacttgot tgggaaagga gcoftggaco agotgacoag gctggtgotg gtgaatgoco 720
totacttoaa cggccagtgg aagactocot tococgacto cagoacocao cgcocgoctot 780
 tocacaaatc agacggcagc actgtctctg tgcccatgat ggctcagacc aacaagttca 840
 actalacta gittoacoacg cocgatggc attactacga catoctggaa etgcoctace 900 acggggacac octoagoatg ttoattgctg cocttatga aaaagaggtg cotototot 960 coctoacoa cattotgagt goccagotca toagocactg gaaagggaac atgaccagg 1020 tgcocogoot octg
 ccctagagaa cctgggaatg accgacatgt tcagacagtt tcaggctgac ttcacgagtc 1140
 tttcagacca agagectete caegtegege aggegetgea gaaagtgaag ategaggtga 1200
 acgagagtgg cacggtggcc tcctcatcca cagctgtcat agtctcagcc cgcatggcc 1260 ccgaggagat catcatggac agaccettcc tctttgtggt ccggcacaac cccacaggaa 1320
 cagtcotttt catgggccaa gtgatggaac cetgaceetg gggaaagaeg cetteatetg 1380
 ggacaaaact ggagatgcat cgggaaagaa gaaactccga agaaaagaat tttagtgtta 1440
atgactcttt ctgaaggaag agaagacatt tgccttttgt taaaagatgg taaaccagat 1500
argatectet tegadyang agaagatet tyocttty adaangaty taaacoaga 1500
cotfictocaa gacettyge totocttyga gyacetty agteamactec capticea 1550
cotgagace tygygangana titgaagea caaatecett aagytetea aacaagagg 1520
tyacgoctyc gygaceat
 tgcagacetq gtteccactq aggceetttq caggacqgaa ctacqqqqet tacaggaget 1740
 tttgtgtgcc tggtagaaac tatttctgtt ccagtcacat tgccatcact cttgtactgc 1800
 otgocacog gyaggagot gytgacago caaaggcoag tggaagaaac accetteat 1860
cteagatce actytgcac tgycaccoc teccagta agggytgctg cagtytgcag 1920
agtyaatyte cecaicatg tggccacco teccagta agggytgtt cagtytgcag 1920
acagtyatyte cecaicatg
 trotteettt tatttttata ggaatagagg aagaaaggte agatgegtge ccagetette 2100
 accccccaat ctcttggtgg ggaggggtgt acctaaatat tiatcatate cttgcccttg 2160
agigcttgtt aggaagaaga agaactacta aggaaaataat tattatttaa actcgctcct 2220
agigtttctt tgtggtctgt gtcaccgtat ctcaggaagt ccagccactt gactggcaca 220
 caccecteeg gacatecage gtgaeggage ceacactgee acettgtgge egeetgagae 2340
 cetegogoec coogogoece cogogoecet ettttecee ttgatggaaa ttgaccatac 2400
 aatttcatcc tccttcaggg gatcaaaagg acggagtggg gggacagaga ctcagatgag 2460
 gacagagtgg tttccaatgt gttcaataga tttaggagca gaaatgcaag gggctgcatg 2520
acctaccagg acagaacttt ccccaattac agggtgactc acagcegcat tggtgactca 2580
 cttcaatgtq tcatttccgg ctgctqtqtg tgagcagtqg acacgtgagg ggggggtggg 2640
 tgagagagac aggcageteg gatteaacta cettagataa tatttetgaa aacetaccag 2700
 ccagaggta gggcacaaag atggatgtaa tnnnnnnnn nnnnnnnnn nnnnnnnnn 2760
 programmen communication appropriate appro
 nnnnnnnnn nnnnntnant atactnaaat atatatttot natatotnna aatatagata 2880
tatatygtaa agacaattt atygyagaat tygaacaga tyfgaaatga atytaatota 2940
atagaagoct aatoagocca coatyttoto cactyaaaaa tootottot tyggystti 3000
 tetttettte ttttttgatt ttgcactgga cggtgacgte agccatgtac aggatecaca 3060
 ggggtggtgt caaatgctat tgaaattgtg ttgaattgta tgctttttca cttttgataa 3120
 ataaacatgt aaaaatgttt caaaaaaata ataaaatnaa taaatacgaa g
 <210> 161
```

<211> 4034

<212> DNA <213> Homo sapiens

```
<220>
<221> misc feature
<223> Incyte ID No: 251715.1
<220>
<221> unsure
<222> 3303-3501
<223> a, t, c, g, or other
<400> 161
gagateceag egetgeagaa ettggggage egeegeegee ateegeegee geageeaget 60
tectgeegee geaggaeegg eccetgeee agesteegea geegeggeg gteeaegee 120
geeggeee agggegatte gggtegeeg ectgeaeget tetaatgtt ecceggeee 180
cycatgtaac eeggeeagge eccegeaact gtgteeeetg eageteeage eegggetge 240
acceccecage cecaseacca getetecage etgetegtee aggatagaes gegeeaagge 300 cgagatgeag etgatgteec egetgeagat etetgacecg treggateet treeteacte 360
geceaccatg gacaactace ctaagetqga gqagatgatg etgetgagca acqqggetec 420
coagttotto gogocogo gggococaga gggoagogo agoaacago gcagcagoag 480 cagoggggo ggtgaagog goggogogo caacacoca agoagoago gogagoago caacacoca coagoagoa gotgttto 600 tgacattot to tgacaaco agaaggagot gagagagot gaggagaa agotatto 640 tgacattot ctgacaaco agaaggtgot ggtgagaaco agtacocoa gocaaacoca 660
togactgoco cenatoacot atactgocog ettitocotg gagectgoac conacagtgg 720
caacacetty tggocogago coctéticag ettigotoagt ggectagtag gestgacoan 760
cocaceggoc tectegtect cageaceate tecageggoc tecteogect cegectecca 840
gageceacee etgagetgeg cagtgecate caacgacage agteceattt acteagegge 900
acceacette eccaegeega acaetgacat ttteeetgag ecaeaaagee aggeetteee 960
gggcteggea gggacagege tecagtacce geeteetgee taccetgeeg ccaagggtgg 1020
cttccaggtt cccatgatcc ccgactacct gtttccacag cagcaggggg atctgggcct 1080
gggcacccca gaccagaage cettecaggg cetggagage cgcacccage ageetteget 1140
aacccctctg tctactatta aggcctttgc cactcagtcg ggctcccagg acctgaaggc 1200 cctcaatacc agctaccagt cccagctcat caaacccagc cgcatgcgca agtacccca 1260
eeggeecage aagaegeece ceeacgaaeg ceettaeget tgeecagtgg agteetgtga 1320
tegeogette tecegeteeg acqageteac cegecacate egcatecaca caggecagaa 1380
ogocticoag tgcogcatct gcatgogcaa citcagcogc agcgacaac tcaccacca 1440 catcogcac cacacagcg amaagcoctt gccttgcga atctgtggaa gamagtttg 1500 agacamagg gtgataccaa gatcoacttg cggcagaagg acaagaagg 1500 agacamagg gttgtgggct citcagcac ctcctctct tcttcctacc cgtcccoggt 1620
tgctacctet taccegtece eggttactac etettateca tecceggeca ceaceteata 1680
cecatecect gigeceact ecitetete teeggetee tegacetace catecectg 1740 geacagigge thecetee egicegigge accargiac tectotite coetigett 1800 eccggeceag gicageaget tecetteet agesticace actectete gegeteac
agggettteg gacatgacag caacettte teccaggaca attgaaattt getaaaggga 1920
aaggggaaag aaagggaaaa gggagaaaaa gaaccaaag agacttaaag gacaggagga 1980
ggagatggcc ataggagagg agggttoctc ttaggtcaga tggaggttot cagagccaag 2040
ggagatgget ataggagay aggyttotte traggetaga tyaggteta teragtagat technicotectot claatggagt ggaaggteta ttggcoaaca atoottectg ocaactbec 2100 ottococaat tactattoco tittgactica gotgotgaa acagocatgt ocaagtbett 2160 ocaototato caaagaacti gaittiggagt gaittiggat aaatoattic agtatoatat 2220 ocatoatat ocaagaacti gaittiggagt aaatoattic agtatoatat 2220 ocatoatat octgaccoct tgotocotto aatgotagaa aatogagtig gcaaaatgg 2200
gtttgggece ctcagagece tgccctgcac ccttgtacag tgtctgtgcc atggatttcg 2340
tttttcttgg ggtactcttg atgtgaagat aatttgcata ttctattgta ttatttggag 2400
ttaggtcctc acttggggga aaaccacaaa aggaaaagcc aagcaaacca atggtgatcc 2460
totaltitgi gaigaigotg tgacaataag Etigaacott Etittitgia acagcagtoc 2520
Cagtaltoto agagcatgig toagagtitgi totogitaa cottitigia acagcagtoc 2520
gacoglacto toacatgigg caaaataig Etigatett ottittitti tittitgiaaaag 2640
tgttttttet tegteettit ggtttaaaaa gttteaegte ttggtgeett ttgtgtgatg 2700
egecttyetty atgyettyac atgtycaaata gtyaaggada tyctcacotc tagcettaag 2760
gggggcaggg agtyatyatt tgyggugage thtgggagca aaataaggaa gagggctgag 2820
ctgagetteg gttetecaga atgtaagaa acaaaateta aaacaaaate tgaactetca 2880
aaagtetatt titttaacty aaaatgtaaa titataaata tatteaggag tiggaatytt 2940
gtagttacct actgagtagg cggcgatttt tgtatgttat gaacatgcag ttcattattt 3000
tgtggtteta ttttactttg tacttgtgtt tgcttaaaca aagtgactgt ttggcttata 3060
aacacattga atgegettta ttgeecatgg gatatgtggt gtatateett ecaaaaaatt 3120
aaaacgaaaa taagtaget gegattgggt atgtgtttee tgggttaggg gaaggaetet 3180
geectattga gggetgtgag gttttetgaa gaettggeet ttaggatata aaggateeta 23g
cagecagagt caggeceact gtgtgaaact ggagtbegtt atttatgagg actgagtatg 3300
```

```
политирии пиниральни пиниральни пиниральний пиниральний пиниральний 3480
nnnnnnnnn nnnnnnnnnn nttettgata atgggeetgt teetetteag tetgttggge 3540
tgaagettta cettggttag etaaageeaa gaaaggeaag agttaggget gggacatgtg 3600
tggeeaaagg cagtgttact eteetggeat eaaatgttgg geeagteeeg teeceeacet 3660
ctactcaggg ttggaaaacc catgatettg ggaatccetg ccatgtgcag ttagaggagg 3720
taagaagtag gcacaaggee tttaggggaa cagtaacaat gctggggeeg actcageete 3780
tecetecat tececaggte eccaggaact tgagggcate aaagaageet agacgaggta 3840
aaggccagtt ctcaaggccaa gaatcettec aggaaagaaat tettattact tgccagctgg 3900
aatcetgccate cttggcaget togtgggaaca aaggatagag tyggccagaag cctggcctgg 3960
tgctaaagt tcccatcgg gccaaatctg ttcccattgt gtaggaagcc tgaggttcta 400
aattettttg ggee
                                                                             4034
<210> 162
<211> 459
<212> DNA
<213> Homo sapiens
-22N>
<221> misc_feature
<223> Incvte ID No: 1799017F6
<221> unsure
<222> 6, 239, 367, 452
<223> a, t, c, g, or other
<400> 162
cgaaancact ctgtaatcgt gatgtcatcc gtagaaaaca gtaggcacag cagcccaact 60
gggggcccaa gaggacgtet taatggcaca ggaggccete gtgaatgtaa cagetteete 120
aggcatgoca gagaaacccc tgattcctac cgagactctc ctcatagtga aaggtaaaac 180
cgaaggcaaa gctactgcag aggagaaact cagtcagaga atccctgtga gcacctgcng 240
totcacotta ggaaatotac totaatcaga ataaggggcg goagttacot gttotaggag 300
tgotcotagt tgatgaagto atototttgt ttgacgggac ttatttotte tgagottote 360
tegtegnece agtgactgae caggeaacag actettaaag agetgggatg etttgatgeg 420
gaaaggtgca gcacatggag tttccagctc tnggccatg
<210> 163
<211> 5873
<212> DNA
<213> Homo sapiens
<221> misc feature
<223> Incvte ID No: 348891.1
<400> 163
eggeggacte ggettgttgt gttgetgeet gagtgeegga gaeggteetg etgetgeege 60 agteetgeea getgteegae gatgtegtee caectagteg ageegeegee geeeetgeae 120
aacaataaca acaactgega ggaaaatgag cagtetetge eecegeegge eggeeteaac 180
agttectggg tggagetace catgaacage agcaatggca atgataatgg caatgggaaa 240
aatggggggc tggaacacgt accatectea tectecatec acaatggaga catggagaag 300
attettttgg atgcacaaca tgaatcagga cagagtagtt ccagaggcag ttetcactgt 360
gacageeett egecacaaga agatgggag atcatgtttg atgtggaaat gcacaccage 420
agggaccata geteteagte agaagaagaa gttgtagaag gagagaagga agtegagget 480
ttgaagaaaa gtgeggactg ggtateagae tggteeagta gaecegaaaa catteeacee 540
aaggagttee actteagaca cectaaaegt tetgtgtett taagcatgag gaaaagtgga 600
gecatgaaga aagggggtat ttteteegea gaatttetga aggtgtteat teeatetete 660
ttcctttctc atgttttggc tttggggcta ggcatctata ttggaaagcg actgagcaca 720
ccctctgcca gcacctactg agggaaagga aaagcccctg gaaatgcgtg tgacctgtga 780
agtggtgtat tgtcacagta gcttatttga acttgagacc attgtaagca tgacccaacc 840
taccaccetg tttttacata tecaatteca gtaactetea aatteaatat tttatteaaa 900
ctctgttgag gcattttact aaccttatac cctttttggc ctgaagacat tttagaattt 960
cctaacagag tttactgttg tttagaaatt tgcaagggct tcttttccgc aaatgccacc 1020
agcagattat aattitigtea geaatgetat tatetetaat tagtgeeace agactagace 1080
tgtateatte atggtataaa tittaetett geaacataae taccatetet etettaaaae 1140
gagatcaggt tagcaaatga tqtaaaaqaa qctttattqt ctaqttqttt tttttccccc 1200
```

	caaggcacaa					
	ccacttttt					
aaactgtata	aatgataggt	atgaaataga	ataagaagta	aaatacatca	gcagattttc	1440
atactagtat	gttgtaatgc	tgtcttttct	atggtgtaga	atctttcttt	ctgataagga	1500
acgtctcagg	cttagaaata	tatgaaattg	ctttttgaga	tttttgcgtg	tgtgtttgat	1560
	ataattagct					
tttatttctt	tattttttt	tctctaagaa	gaggetttgg	aatgagttcc	aatttgtgat	1680
gttaatacag	gettettgtt	ttaggaagca	tcacctatac	tctgaagcct	ttaaactctg	1740
aagagaattg	tttcagagtt	attccaagca	cttqtqcaac	ttggaaaaac	agacttgggt	1800
tgtgggaaca	gttgacageg	ttctgaaaag	atgccatttg	tttccttctq	atctctcact	1860
	tactgtacag					
	agetgtettt					
	tgatatactt					
gttagaaagc	atcaggatga	ccagttatct	cgagtagatt	ttcttggatt	tcagaacatc	2100
tagcatgact	ctgaaggata	ccacatottt	tatatataaa	taattactgt	ttatgatata	2160
gacattgata	ttgactattt	agagaaccgt	tottaatttt	aaaactagca	atctataaag	2220
	caacttgaat					
	ctcacatcaa					
agattaaaca	aaatttttat	cttttttcaa	gaatataget	ggctatcttt	aagaaagatg	2400
atatatecta	gttttgaaag	taattttctt	ttttctttct	agcatttgat	otctaaataa	2460
ttttggacat	ctttttccta	gaccatgttt	ctgtcttact	cttaaaccto	gtaacacttg	2520
	tataacctat					
	tggctcactg					
ttaggagaac	tgactageta	aactgctaca	gtatgcaatt	tctattacaa	ttggtattac	2700
andddddaaaa	agtaaaatta	cactttacct	gaaagtgact	tettacaget	agtgcattgt	2760
getettteea	agttcagcag	carttetate	agtagtaga	ctgaaactgg	gtatatttat	2820
	agcgttaaaa					
attatogaaa	attacttaaa	acotosatac	atcatcacag	tagaatttat	tatgagagga	2940
totactatet	atctgtagcc	ctaacacato	dastassag	tttactocta	cacccagaged	3000
tatattaaac	gaaaacattg	taatttaaa	addadaattc	aacaattaat	anttraaatt	3060
atagaattaa	tgtttaaaaa	actttacacc	totttacaat	ttaaaaaaaaa	assaggeagge	3120
	atatgtttga					
aaaactgcac	aaacttgcac	attogaaagt	gcaacaagtt	cccataatta	cactaaaaat	3240
atttactatt	ctaaaaaaat	gagaattgaa	gacttaggga	gtcagataag	ttttttcatg	3300
aacccgttgt	ggaaattatt	ggaattaact	gagccaaagt	gattatgcat	tetteateta	3360
ttttagttag	cactttgtat	cottatatac	agtttacaat	acatotataa	cttgtagcta	3420
taaacatttt	ggccgtgtta	aattattota	catatetgag	agagggaggt.	agaaccctaa	3480
ccacagcaaa	agtgacgacc	tetttettgg	gtgaggtaag	aaaatgtccc	ccaccccctt	3540
ttaggtetga	ctccttatta	agtggcttcc	cctcaataaa	tgatgagcat	caaccctttc	3600
ccacccaggg	tgccgagggt	agagggagga	gcaagtggat	gaagtgctct	gaaaaqqata	3660
gtgcagcggc	tctagccacc	gtgcgtcctc	tgccctggct	ctgaagggcc	tgaccctggg	3720
ctgcaccccc	ttgctgggga	tggaagacca	ttcagtactc	agccctacac	cagggcatct	3780
acccaggaag	ataggaggac	agagtgtgaa	aggggctgtg	tcaccctgtc	aggtcacgaa	3840
	caatggatgc					
	aactggctac					
agecetgaga	gtcggagcag	ggaaccacag	gectagetgg	ccctgccagg	gggataccca	4020
	acatggcgct					
tcaatgttac	ttgtgtgtgc	atgtcctgtg	tagaggggaa	ggctgcaggg	gggcactgct	4140
	cccaggggtt					
gaccaaaaag	ggttaaaggc	tetgtetece	ctccctcccc	ttctcccaac	atgccccgcc	4260
ctccttgggc	actagaaagt	tttgcgatga	atagcacggg	agccatcctc	ttcatactcc	4320
	cccacatctt					
catgtggagt	acagccgttc	ctgcggggct	gagatettga	ttttgatatc	ctttggggca	4440
	cttcactgag					
gagagcacga	tgttggcgaa	cagcgtccgg	cgcaggtcca	tgtcggactt	gtgtatggcg	4560
	cctcatggag					
ageteggggg	cccggaatcg	tgcaggcccc	acatcaagcg	tgctgccgtc	tggcaacgtg	4680
tactgcacct	teteegtete	cagageetea	teettetgtg	ggttgatgga	caggtagcac	4740
	tgattgtccg					
	gcatgagtcg					
	gaggcatggc					
	gaaccactcc					
	acagggccgg					
eggttettae	tegggttgag	eggggeetee	gtgaggagca	caggatgete	ctccgagaag	5100
	gatccttgga					
	cgtgctccat					
titggteega	tgaagaggtc	cccctccagg	getecageca	tcacccgcat	gtgettegge	5∠80

egecegaeae tyttaggaeg tyttecagaaa taggatgtgg etgggggea gggcetagg eaggaegag tytetgagg eagaacea cacgaetga ggagagaea etcaetagt eagggeea etaetagt eagggeea ggaaactat ggategatg geagteagae aggaatgetg	ccaaccatag caggttggaa agetcagggt gecetecaeg acgetectga ecceaggaag accecactge agetaccact	tegeceagag etggggeeta eagaaggeae geceageeet etteggtggg etgggteggg eagegettet aaaggeaaag	ggtacctggc tggggttegg ggtcageaga tgcagagggt gcagggetgc gctcccttgt ggatcagaga gaacctctaa	ctccaaacac ggctagagag gacagetgca eggcttcctg cgtcaccatc gcaccetgct ttcagttctt ttatacccat	5400 5460 5520 5580 5640 5700 5760
<210> 164 <211> 3370 <212> DNA <213> Homo sapiens					
<220> <221> misc_feature <223> Incyte ID No: 9	03956.15				
<40)> 164 gogottsyt ggcaactyge gogottsyt ggcaactyge gogottsyt ggcaactyge gogottsyt traggotte agogottoa ttaggottoa ttaggottoa gogottytatt ttaggottoa gogottytatt qaagaagaag qattaagaac qattaagaac qattaagaac ttatttya gocatyatttya gocatyatta qaagaagaag qattaagaag cactyatttya gocatyaaca qagaagaaga qaagaagaaga qaagaagaaga qaagaagaaga qaagaagaaga qaagaagaaga qaagaagaaga qaagaagaaga qaagaagaaga qaagaagaaga qaagaagaagaaga qaagaagaaga qaagaagaaga cactyagga cactagaga cactagaga cactagaga cactagaga cactagaga cactagaga cactagaga cactactaa qatcactoa cactactaca qactactoa qacatactoa cactactaca qacatcactoa cactactacca qatcactoa cactactacca qatcactoa cactactacca qatcactoa cactactacca qatcactoa cacatygaa qaagaactac cacatygaa qaagaactac qaagaagaa qaagaactac cacaagaaca cacaagaacaacaagaaca cacaagaacaacaacaacaacaacaacaacaacaacaaca	agcaacttct tatatocata gctgtaaaaa gttctagaag aaatgtagct cacatctgtg gttctgtagaa gttctagag gttgacaag ttttctgtaga gttgacaag ttttctgtaga aagaagata gagaagata gagaagata attgaca caattgaac cattgac cattgac catgacact aggaagatg gtctaccat aggaagatg atcagcacag atcaccag gattccag gttctcaag accagtggg atcaccat aggaagatg gttgtcacag accagtggag atctccag cagaccaag atctacaac attagac agactggaa gccttgcaa ggattggat gctacaac agacaaag gcctgtgaa agcctgtgaa agcctgacaa agcctgacaa agcctgacaa agcctgacaa agcctgacaa agcctgacaa agcctaccaac attaggact aagaaagac atcttttgg ataggac accacaac aagtcagga acctaccaac aagtcagga acctactacct acctactacct acctactacct acctactacct acctactact acctact	tccggggaag gattggaata ttaaaatgaa ccagtcgtc tccaggttaa augatgcgtt tctcagcaga tatgccgtga tatgccgtga tatgccgtga tatgccgtga tagatcaga tagatgaaga ttgccctgg tgaacaaat ttgcccttg ttaaacgca atttcccat tgtgctcaca tgtgccaaact tgaccaaact tccagagcag tcaagagcag tcaagagcag tcaagagcag tcaagagcag tccagagcag tccagagcag tatttggaa ggaagaaga tcctagtgcg tcagagagaga tcctagtgcg tcagagagaga tcctagtgcg tcagagagagaga tcctgagagagagagagaga tctttcaga tgtatcttgt ttggtctca tagagagaata tagagagaata tagagagaata tagagaata tagagcaatt cagagacatt cagagcaatt cagagcaatt cagagcaatt cagagcaatt cagagcaatt cagagcaatt cagagcaatt cagagcaatt	agtgccagtg ttggtgggc caaattacgg gtaccttggc acaataggg gtacctaga agtttctttc tggcacaacg tgagactaga gaagatgac caaggctc tactaccaat gagaatgac caaggctct acaactgcc gagatgac caacatgcc tactacccaat agtgacagtg tggtgctgc ccqatggtta tcctctgcag ttcctacaggg tccctaatgtg tgcagcaggt tccctaatgtg tgcagcagg ttccctaatgtg tgcagcagg ttccctacagg ccctaatgtg tgcagcag tccctaatgtg tgcagcag tccctaatgtg tgcagcaac tgcactaacag ccctaatgtg tgcagcaac tgcactaacag ccctaatgtg tgcagcag tacctaatgtg tgcag tacctaacag tgcactaaa tgcattagaa tgcattagaa tgcattagaa tgacttacaa tgcattagaa tactgcattagaa tactgcattagaa tactgcataacaa tactgcattagaa tactgcataacaa tactgcataacaa tactgcataacaa tactgcataacaa tactgcataacaa tactgcataacaa tactgcataacaa tactgcataacaacaa tactgcataacaacaacacacacacacacacacacacaca	cagcactgt agcaatcatc caaagattta cagtatagaag aaagctactg gttgtgacag gttgtgacag gttggacag gttgacagag tcaatcacag gttgacacag tcaatcacag tcaatcacag tcaatcacag tcaatcacag tcaatcacag tcaatcacag tcaatcacag tcaatcag tcaatcag tcaatcag tcaatcag tcaag tcag tc	120 1240 1240 1240 1340 1
ctatgctgcc agaattccca ggggagaagt tgagcttcca aaatctttat ttttatgcat atgagttgta agtaatcttg attgatttat cattgatgcc	ggagggcata ttttgagtaa ttagaatatt ccaaaggtaa	tcagcaactg cagaataaat ttaaatagtt aggggctagt	cccagcagag attatatata ctcagatatt tgtaagaaat	ctatattttg tcaaaagcca aagaagttgt tgtacataag	2520 2580 2640 2700

```
gatecetage tigittietg teagleatte attgtaagta geacattgea acaacaatea 2820
tgcttatgac caatacagtc actaggttgt agtttttttt aaataaagga aaagcagtat 2880
tgtcctggtt ttaaacctat gatggaattc taatgtcatt attttaatgg aatcaatcga 2940
aatatgetet atagagaata tatettttat atattgetge agttteetta tgttaatett 3000
ttaacactaa ggtaacatga cataatcata ccatagaagg gaacacaggt taccatattg 3060
gtttgtaata tgggtcttgg tgggttttgt tttatccttt aaattttgtt cccatgagtt 3120
ttgtggggat ggggattetg gttttattag etttgtgtgt gteetettee eecaaacece 3180 ettttggtga gaacatecee ttgacagttg cageetettg aceteggata acaataagag 3240
ageteatete attittaett tigaaegitg geettacaat caaatgtaag tiatatatat 3300
ttotactgat gaaaatttat aatctgcttt aacaaaaata aatgttcatg gtagaaaaa 3360
aaaaaaaagg
<210> 165
<211> 980
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 235184.1
<400> 165
aaaaaaggag cgggggtgcq cggaqaacac aaagtaaaac ttctgctgtt cccagtcctg 60
cagecceage ceagecgtee eeegegggeg tggeaggtee tgagteaggg geetgteegt 120
ggccagcatc cctggctggg cgattgagca gcgggaagct gcttggaccc agtctcaaac 180
ttaaccetea tetageacce gggcaggeet cetgggttge agggaettga gaaaaggeag 240
agtteteagg teetaggaag etggggeaeg etggegtgae aagegteeeg gagaaageea 300
ageceteggg gagetgggga eegeageagg getgeagtea cateetgege gggtgggegg 360
egggeeagge etteagttgt ttegggaege geegagette geegetette eageggetee 420
tgcagagaca acaagtgtct aaatgttctg aagaaataaa gaactatatt gaagaacgtt 600
ctggagagga teetetagta aagggaatte cagaagacaa gaacccettt aaagaaaaag 660
gcagctgtgt tatttcataa ataacttggg agaaactgca tcctaagtgg aagaactagt 720
ttgttttagt tttcccagat aaaaccaaca tgctttttaa ggaaggaaga atgaaattaa 780
aaggagactt tettaagcac catatagata gggttatgta taaaagcata tgtgctactc 840
atctttgctc actatgcagt cttttttaag agagcagaga gtatcagatg tacaattatg 900 gaaataagaa cattacttga gcatgacact tctttcagta tattgcttga tgcttcaaat 960
aaagttttgt cttgggaaaa
<210> 166
<211> 4527
<212> DNA
<213> Homo sapiens
<221> misc_feature
<223> Incyte ID No: 330948.3
<400> 166
cteggegege etggaeeeet geoeetetet gggtggagaa geteeegge getteeeggt 60
tteetetet etaageetgg geteeeagee eeteteteet titeetggae tegetetaa 120
eeeetteggt eeeetteett tageteagge teeetaeeee titeettaage eaaageea 180
gagteceage tecteagtea etitecteag ceasaggtec eageetteet tetteettte 240
ctttgcacta tecetatect geceetteet etatecetag ggeteagttt eccacatecg 300
tectecect teccaggece ggagttecag acetttiggt etectitegt ggtegttect 360
ggtectige eccettices cacttiggag ticcagatig caaacccag etectecca 420
ecceagaaaa tigettecai ggaaatgect etetaabaea igaactitie etagagacta 480
egecagtete tetteccaet tgetqaccet ttgetaceta tgtqcccqqt tttactetca 540
titgggtaag gtcgaggctg gctctggaag cagcaccatg gttctgcggt ctggcatctg 600
tggcctctct ccacatogga tottcccttc cttactcgtg gtggtcgctt tggtgggct 660
getgeetgtt eteaggagee atggeeteea geteageeea aetgeeagea ceattegaag 720 eteagageea eeaegagaae getegattgg ggatgteace aeegeteeae eggaggteae 780
cccagagage egecetgtta ateatteegt eactgateat ggeatgaage egegeaagge 840
ctttccagtc ctgggcatcg actacacaca cgtgcgcacc cccttcgaga tctccctctg 900
gatecttetg geetgeetea tgaaqatagg tttecatqtg atececacta teteaageat 960
egteceggag agetgeetge tgategtggt ggggetgetg gtggggggee tgateaaggg 1020
```

PCT/US01/11128 WO 01/77389

totaggegag	acacccccct	tectocaote	cgacgtette	tteetettee	tactaccacc	1080
	gatgeggget					
	tttgccgtgg					
	tacctagtag					
	agcatcatct					
gottottegge	agtactatte	tggccgcgga	better to	gereergerg	territoria	1320
aattcacatc	aatgagetge	tgcacatcct	tgtttttggg	gagteettge	reaargaege	1380
egteactgtg	gtcctgtatc	acctetttga	ggagtttgcc	aactacgaac	acgtgggcat	1440
egtggacate	tteetegget	teetgagett	cttcgtggtg	gccctgggcg	gggtgcttgt	1500
	tacggggtca					
catcgagccg	ctcttcgtct	tcctctacag	ctacatggcc	tacttgtcag	ccgagctctt	1620
ccacctgtca	ggcatcatgg	cgctcatagc	ctcaggagtg	gtgatgcgcc	cctatgtgga	1680
ggccaacatc	tcccacaagt	cccacaccac	catcaaatac	ttcctgaaga	tgtggagcag	1740
cqtcaqcqaq	acceteatet	tcatcttcct	caacatetee	accortorcco	gctcccacca	1800
	accttcgtca					
	ctgacctggt					
	atcgcctatg					
	aagcacttcc					
	gtctttgtgc					
	caagagacga					
	acaggcatcg					
	cggtttaata					
	cagctcattg					
	gggggcatgg					
catccacccc	.aagtccctgc	cttccgagcg	catcctgcca	gcactgtcca	aggacaagga	2460
ggaggagatc	cgcaaaatcc	tgaggaacaa	cttgcagaag	accaggcagc	ggetgeggte	2520
ctacaacaga	cacacgctgg	togcagaccc	ctacgaggaa	gcctggaacc	agatgetget	2580
	aaggcccggc					
	gactcaccca					
	gaggacctgc					
	ctggtgaatg					
	ggctgaggag					
	cccaggaacc					
	acagegetge					
	ccccaagggg					
	caccagagca					
	cctcccccta					
	gettegetee					
	etgetgggge					
tcccggacct	ggactagggc	ctcggaggct	cctccctctg	cctcatcctt	cctcctcatt	3360
cagaccaatc	ttagtttcta	accaaagagt	ctctggctca	gctgtggtcc	cacccaggaa	3420
gggagggagc	tgaggcctcc	cttgagtagg	ccctgcttta	tcaggggaca	aaccaggggt	3480
accaggcaca	tggctggggg	agggactgct	caccaccaa	ggtctcacac	tectectace	3540
	ccctggccac					
	tctctgcctg					
	actgtgctcc					
	cgtggctcca					
atatatratt	gtttgcacag	addagagaag	tatttttaaa	acattttcaa	aaaaaataaa	3940
	tetgeeteta					
	ccaacccctc					
	acatcagaag					
	cttggcacct					
	cccaccctgg					
	ggagcccatt					
	ggggctggtg					
acacactcct	teccettgte	cctggggcac	tcccccagga	ttgtgcaata	gtcagagtgt	4320
ccctttttgc	aggggactgg	gccatgggtc	ctcggcccat	ctgtccatcc	tectetecat	4380
	tttgggcagg					
	tgctgccact					
	atgtgagttt		5 3			4527
	2-2-2700					

<210> 167 <211> 7232 <212> DNA <213> Homo sapiens

<220> <221> misc_feature

```
<223> Incyte ID No: 994057.1
<221> unsure
<222> 5602, 5610, 7108
<223> a, t, c, g, or other
<400> 167
ecegagetyg eetgegagtt cagggeteet geegetetee aggageaace tetaeteegg 60 acgeacagge atteceegg ecectecage ectegegee etegecaceg etceeggeeg 120
ecgegeteeg gtacacacag gatecetget gggcaccaac agetecacca tggggetgge 180
ctggggacta ggcgtcctgt tcctgatgca tgtgtgtggc accaaccgca ttccagagtc 240
tggcggagac aacagcgtgt ttgacatett tgaactcace ggggccgccc gcaaggggtc 300
tgggcgccga ctggtgaagg gccccgaccc ttccagccca gctttccgca tcgaggatgc 360 caacctgatc ccccctgtgc ctgatgacaa gttccaagac ctggtggatg ctgtgcgggc 420
agaaaagggt tteeteette tggcateeet gaggcagatg aagaagaece ggggcacget 480
getggeeetg gageggaaag accaetetgg ceaggtette agegtggtgt ceaatggeaa 540
ggegggeace etggacetea geetgacegt ceaaggaaag cageacgtgg tgtetgtgga 600
agaagetete etggeaaceg geeagtggaa gageateace etgtttgtge aggaagacag 660
geocagoty tacatogacy geoagygaa gagaataac cyfrygacy tecesteca 720
ggeocagoty tacatogacy tygaaaagat gagaatyct gagttygacy tecesteca 720
aagogtotte accagagac tygcagcat cyccagacte geoategcaa agyggggggy tyctycagaa tyfaggytt f
agacatecte aggaacaaag getgeteeag etctaceagt gteeteetea ecettgacaa 900
caacgtggtg aatggttcca gccctgccat ccgcactaac tacattggcc acaagacaaa 960
ggacttgcaa gccatctgcg gcatctcctg tgatgagctg tecagcatgg tectggaact 1020
caggggectg cycaccattg tgaccacgt gcaggacage atocgcaaag tgactgaaga 1080
gaacaaagag ttggccaatg agctgaggcg gcctccccta tgctatcaca acggagttca 1140
gtacagaaat aacgaggaat ggactgttga tagctgcact gagtgtcact gtcagaactc 1200
agttaccate tgcaaaaagg tgteetgee catcatgee tgetecaatg ccacagttee 1260
tgatggagaa tgctgtcctc gctgttggcc cagcgactct gcggacgatg gctggtctcc 1320
tyatgyanak tygacette gitelacgag elytygeak gygattaay gydysteri 1120
alugicegag tygaceteet gitelacgag elytygeak gygattaaye agoeggeet 1180
eltotyogat aegetoaaca aecastigtag gygeteeteg gitecagaca gyacetgeea 1440
eatheagyag tyigacaaga gattiaaaca gyatugyigge tygagecact ggitecagti gitecaga
gtcatcttgt tctgtgacat gtggtgatgg tgtgatcaca aggatccggc tctgcaactc 1560
yceaterty: tety-yacat grggregatg grggatcaca aggatecggs ctgcaact 1500 teccagecce cagatgaacg ggaaacctg tgaagcgaa gogoggaga ccaaagcetj 1620 caagaaagac goctgocca tcaatggagg ctgggtcct tggtcaccat gggacatctj 1620 tectgtcacc tgtggaggag gggtacagaa acgtagtcgt etctgcaaca acccaacac 1740 ccagtttgga ggcaaggact gogttggtga tgtaacagaa aaccagatct gcaacaagca 1800
ggactgteca attgatggat geetgtecaa teeetgettt geeggegtga agtgtactag 1860
syactycta drycagotyga abtytyto ttytococot gyttacagty gaatygatta 1920 coaytycaca gycactag satytyto ttytococot gyttacagty gaatygat 1920 coaytycaca gatyttyaty gytycaaaga gytycotyat goctyctto accacaatyg 1980 cagagoacygy tytyagaaac cygacocogy chacaactyc ctycotycc coccacyct 2040 caccygotca cagcoctto gocagygyty cyaacatyc cogcocycc cocacycty 2040 caccygotca cagcocttog gocagygyty cyaacatyc coggocaaca aacagytyty 2100
caagcecegt aacceetgea eggatgggae ceaegaetge aacaagaaeg ceaagtgeaa 2160
ctacctgggc cactatageg accecatgta cegetgegag tgeaageetg getacgetgg 2220 caatggeate atctgegggg aggacacaga cetggatggc tggcccaaatg agaacctggt 2280 gtgcgtggc aatgggactt accactgcaa aaaggataat tgcccaacc ttcccaact 2340
agggcaggaa gactatgaca aggatggaat tggtgatgcc tgtgatgatg acgatgacaa 2400
tgataaaatt ccagatgaca gggacaactg tecattecat tacaacccag ctcagtatga 2460
ctatgacaga gatgatgtgg gagaccgctg tgacaactgt ccctacaacc acaacccaga 2520
tcaggcagac acagacaaca atggggaagg agacgcttgt gctgcagaca ttgatggaga 2580 cggtatcctc aatgaacggg acaactgcca gtacgtctac aatgtggacc agagagacac 2640
tgatatggat ggggttggag atcagtgtga caattgcccc ttggaacaca atccggatca 2700
gctggactct gactcagace gcattggaga tactgtgac aacaatcagg atattgatga 2760
agatggccac cagaacaatc tggacaactg teectatgtg eccaatgcca accaggetga 2820
ccatgacaaa gatggcaagg gagatgcctg tgaccacgat gatgacaacg atggcattcc 2880
tgatgacaag gacaactgca gactcgtgcc caatcccgac cagaaggact ctgacggcga 2940
tggtcgaggt gatgcctgca aagatgattt tgaccatgac agtgtgccag acatcgatga 3000
catctgteet gagaatgttg acatcagtga gaccgactte egecgattee agatgattee 3060
tetggaecce aaagggaeat eccaaaatga eectaactgg gttgtacgee atcagggtaa 3120
agaactegte cagactgtea actgtgatee tggacteget gtaggttatg atgagtttaa 3180
tgctgtggac ttcagtggca cettettcat caacaccgaa agggacgatg actatgctgg 3240
atttytottt gyotaccagt ccagcagcog ottttatytt gygatytyga agcaagtoac 3300
ccagtootac tyggacacca accocacyag gyotcaggya tactcygyoc tttotytyaa 3360
agttgtaaac tecaccacag ggeetggega geacetgegg aacgeeetgt ggeacacagg 3420
aaacacccct ggccaggtgc gcaccctgtg gcatgaccct cgtcacatag gctggaaaga 3480
tttcaccacc tacagatage atttcacca cagaccaaag acggatttca ttagagtagt 3540
```

		A A				2
	gggaagaaaa					3600
tggtggtaga	ctagggttgt	ttqtcttctc	tcaagaaatg	gtgttcttct	ctgacctgaa	3660
atacquatqt	agagatecet	aatratraaa	ttattaatta	aaamantmat	catasaccas	2720
	gcaccttctg					
tagetteett	cttttctgtg	cttgcatcag	tatagaetee	tagaacgtgc	gacctgcctc	3840
anganantaa	agttttcaaa	pp ap ap at ap		teanstant		3900
aayaaaatye	agitticaaa	aacagactca	geatteagee	cecaatgaat	aagacatett	
ccaagcatat	aaacaattgc	tttggtttcc	ttttgaaaaa	gcatctactt	gcttcagttg	3960
ggaaggtgcc	cattccactc	tacctttatc	acagagcagg	gtgctattgt	gaggccatct	4020
	gactcaaaag					
cegageageg	gacecaaaag	caccccagg	cargucagag	augggugguc	ccac cagaac	4000
Lageaaacaa	aaccaccctg	acatectect	teaggaacae	ggggagcaga	ggccaaagca	4140
ctaaqqqqaq	ggcgcatacc	cgagacgatt	gtatgaagaa	aatatggagg	aactgttaca	4200
tatteagtac	taagtcattt	tcaggggatt	gaaagagtat	tactacattt	catgatgetg	1260
accygeycta	gctgattaac	ccatytaaat	agguaertaa	atayaaycay	yaaayyyaya	4320
	cttctggact					4380
cagaattagg	gaatcagaat	caaaccagtg	taaggcagtg	ctaactacca	ttacctaatc	4440
	tggtggcttc					4500
	atctcagtga					
tttttatggt	tacaatggca	caaaattatt	atcaacctaa	ctaaaacatt	ccttttctct	4620
tttttcctga	attatcatgg	agttttctaa	ttetetettt	togaatotag	attttttta	4680
	gatgtaaaat					
tattcatgga	acaggaagaa	gcgtaaagac	tatccatgtc	atctttgttg	agagtetteg	4800
tgactgtaag	attgtaaata	cagattattt	attaactctc	ttctacctaa	aaatttaggc	4860
	aagtgtttga					
	gaaaatcagt					
atgggattct	ttttttctct	gttttatctt	ttcaagtgga	attagttggt	tatccatttg	5040
caaatotttt	aaattgcaaa	gaaagccatg	aggtetteaa	tactotttta	ccccatccct	5100
	tccagggaga					5160
	gacaaaaggt					
gagtaaagaa	tttttggatc	aagcggaaag	agtttaagtg	tctaacaaac	ttaaagctac	5280
	aaaaagtcag					
	tagcattgaa					
	taccattgct					
tatctcagat	tgtgtagata	tgctatttaa	ataatttatc	aggaaatact	gcctgtagag	5520
ttagtatttc	tatttttata	taatgtttgc	acactgaatt	gaagaattgt	taatttttc	5580
	tttgttttt					
	ctttttctag					
ttctaaagca	gtgtaagttg	tatattactg	tttcttatgt	acaaggaaca	acaataaatc	5760
atatogaaat	ttatatttat	acttactgta	tecatoetta	tttattetet	actoricttta	5820
	tatatgcgta					
	tcatagcaac					
aggcctaggc	ttagaatttg	ctgcgtttgt	ggaataaaag	aacaaaatga	tacattagcc	6000
toccatatoa	aaaacatata	aaagagaaat	tatccctaag	traagggggg	ccataagaat	6060
annathtatt	attaaggtca	ttngagaaaa	ttensteatt	ttannataa	outohagaan	6130
	aacactgaag					
gatgeettgg	gtgggcaaca	cgattgcatg	ttqtqqaqac	acttcggaag	taaatgtgga	6240
	getgteettg					
	agtttaatca					
taaatgcgtg	tgtgtctaaa	tacaaattat	catgtgaaga	aaaggcccaa	gtgtaccaat	6420
aagcagacct	tgatttttgg	atggggtaat	tatgaatgtg	gaatactgac	cagttaattt	6480
	tgaaaacaga					
	taaacactag					
ttcactctca	ttctataaat	actcatcttt	ctgagtagcc	atgatcacat	acaaatgtaa	6660
	cattttatag					
	ttaggaaaac					
	ttcattatca					
tcattcttgg	atagtgaagc	aaaactgatt	gaaaatacca	agataagaca	gaaaaagtga	6900
	gagettttet					
	tgtactgaaa					7020
	L L	-uaayyactt	yetaaaaatt	auaarracgt	carryayatg	
	LCCTCCTCCA	acagtttatt	gtgcatgtgt			7080
gaggaataaa						
	ctccaggtct		tacatacaat	aaaggtggtg	ccagcagttt	7140
	ctccaggtct	tataagantg				
tttttttct		tataagantg atgtagaaaa	gcctccagta			7140 7200 7232

<210> 168 <211> 3324 <212> DNA <213> Homo sapiens

```
<220>
<221> misc feature
<223> Incyte ID No: 197301.4
<220>
<221> unsure
<222> 254, 378
<223> a, t, c, g, or other
<400> 168
gtgagaattg taactcaagg ctgcttacac ttgagtcgga ctgtaggcag gttgcttaag 60
getgeattgt eccagectee eccteeaagt catetgttee ttetgattaa tgacagetet 120
goalgttele tggecectge tteccettgg aggetgeaga gteaccaeat tetgtgeeet 180
ttotgtgttg agcactttgg gtotgcagga ggcacatgca cgtccaggga ctgcttttca 240 gctcctggac aggncagggg cttccttcta tcagccactc aactagtgtg gcctgcaaac 300
aggaaagggc cacagagggt ggggggtttg cttagctctc aggagctgac agaagatggg 360
aacatgtaca ggagacantt ctttcaaatc atctgtgtga aagegggtaa ccctttgggt 420
acturgusad syapatenti tettekaata ettitytysa aagysystaa tetttyggid 420
attlycaagi clagagotti agytyttaet gyttyttaet gyttytaagi yalotagyg eagytyggig agytysta
tyogtaagy aagytygcag agyaasygag tagytyaati yaacttaete acateetaag 540
cecacagyt agaaacttet giteagotee etcagygytt tyegaggety eettiyetti 600
totagococc taaacqqqcc ccccttctct ctacaqqtqt ttcccattaa acactaccaq 660
gacaaaatca ggccttacat ccagctgcca tcgcacagca acattactgg cattgtggaa 720
gtgatccttg gggaaaccaa ggcctatgtc ttctttgaga aggactttgg ggacatgcac 780
tectatgtge gaageeggaa gaggetgegg gaagaggaag cegeeegget etteaageag 840
attgteteeg eegtegeeea etgeeaceag teageeateg tgetggggga eetgaagett 900
aggaagtteg tetteteeac ggaggagaga acceagetta gactagaaag tetagaagac 960
acacacataa tgaaggggga agatgatgct ttgtcagaca aacatggctg cccagcctac 1020
gytagcocty agatoctoa caccactgg actactor gaaaggetge gacgttgg 1880
agoctggggg tgatgcta caccottotg gttggacgat accocttoa tgatcagac 1140
cocaatgoco ttttctocaa aattoggetg gacagttot gcattotga gcacatttoe 1200
cocaaagcoa ggtgctt
gcccccgaga tcctactgca cccctggttt gagtccgtct tggaacccgg gtacatcgac 1320
tcagaaatag gaacttcaga ccagattgtt ccagagtacc aggaggacag tgacattagt 1380
tecttettet getaateece aaaaceteag aaaceteata attettaaca eetggeattt 1440
ccatttctaa agatggacag gccctttggc atggtaccaa ccagataatg actgcatcag 1500
gatgaaaget getgaacteg geatggegee teetettete tgttgggatg agtgaettta 1560
ttgatttgag cageatatge tgtgattgge tgecetgeaa atttgtttee ettaaggaae 1620
cotaccaac tatctotget ggattygg syttoggata attigetug tetaaggaag cotaccaac tatctotget ggattygga gtcogata attigtgga ggaagagtat 1680 ggacatotta caccoggigg teaagtygt aataaacetig agcattogaa tyggagaaaa 1740 agcaaatoga cacatgacaat attitgagta ataacegtat tittocacag gtgacaaat 1800
gggccaataa atctgccatc tttgaactca tctttggtgg ctagactgct acggcagctt 1860
ctctgatggg aaagtteett ttttggetta acactcacce tttettcaca etcacattta 1920
ccaatgactc tgctccgttt ttggagcaga ctgttttaag ttgctcagga gcctgatgga 1980
accatgaacc gagactette tetgttteet gecaagacet catetgeact aatgeettet 2040 eeetgacett gacactteee cetttageta taaaageact taccageega aegtggaaca 2100
gtatcacaaa agattccatc tcccaacgat ttcagaactc tgagctcaga gagactccag 2160
attttaaaaa ataatttgag tgcttggaaa ctattagctt tttaagttcc tcccaaatat 2220
gttagtacet accetttact tttteeceaa gaccatetea gggtggagea ttetgtetaa 2280
gagaagaaag ataaggaggc teccacecac eteteccaag agcagacatt aaacatettt 2340
gtgctttgaa gagagtgaat tttggatagt cttgtgattc tcagactaac ttccagaatt 2400
atactttaac ccctcccaga tatggtccgc ctttggcatt gtgtgtacat ctgcagtttt 2460
gcatggtggg ttgttaatat ttcaaatgtg tggtttatga atacgtctgt ataatcggct 2520
totggagtga aacagcaaac cccaaatctt caaagttgga aggaacttta aaaatcatcc 2580
ggtccaatct ctttcctctt tctgccacct cccaaggcag aaatcccctc ttcagcttct 2640
tttgtaggtg ggaatccagc ctctgttaga tatgtccaga gatggaaact cactccccta 2700
caaaagatgg agettaatgg agaaattgca actttcatta aaaaacaaat tcagatgaaa 2760
tatcagtaac tgtcttggac agtgctgaaa tcaggtggtt aaacgggtaa acaaaatata 2820
ctgtattttg agaaatggca caaaaacagg cagtcatctt taagggctat gcctaggcaa 2880
actactaaca tgcattgtga gaatgccgtg tatacctcac gtactgtgta ctttgtacat 2940
atattttacc tittatacct atgticgatt ttgttttgtt ttgttttgtt ctggctttga 3000
ggettgtttt gttgtetgtg tetgtetgaa taacetgegt gtctaaaaec acgtgaaatg 3060
tgaatgatta ttggcaatat taccttgaca gaatcatggg actttgagaa gagggaggac 3120
agaggeetet gtegeaetaa egetetegtg gttgetegae tgttgtatet gtgatacatt 3180
ateegaetaa ggaetetggg etggeaggge ettetgeegg gaaagetaga aacactaggt 3240
tetteetgta catacgtgta tatatgtgaa cagtgagatg geegtttetg aettgtagag 3300
aaattttaat aaacctggtt tegt
```

<210> 169

```
<211> 2412
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 476016.17
<221> unsure
<222> 60, 70, 82, 104, 1750, 2165-2228
<223> a, t, c, g, or other
<400> 169
gaggacgaag ccagttetet ttttetggte tgactggett ggaaatteee egageetgan 60
cccgccccan agaaatcccc anccagcgtt tatagggcgc cgcngcggcg ctgcagagcc 120
cacagoagto ogtgoogcog tocogoogo cagogoccoa gogaggaago agogogoago 180
cogoggecca gogcaccogo ageagogeco goagetegto egogccatgt tecaggogge 240
cgagcgcccc caggagtggg ccatggaggg cccccgcgac gggctgaaga aggagcggct 300
actggacgac cgccacgaca gcggcctgga ctccatgaaa gacgaggagt acgagcagat 360
ggtcaaggag ctgcaggaga tccgcctcga gccgcaggag gtgccgcggg gctcggagcc 420
ctggaagcag cagctcaccg aggacgggga ctcgttcctg cacttggcca tcatccatga 480
agaaaaggea etgaceatgg aagtgateeg ceaggtgaag ggagacetgg cettecteaa 540
ettecagaac aacetgaage agactecaet ceaettgggt figatecaeca accageaga 600
aattgetgag geaettetgg gagetggetg tgatectgag etcegagaet ttegaggaa 660
tacccccta caccttgcct gtgagcaggg ctgcctggcc agcgtgggag tcctgactca 720
gtectgeace accorgeace tecacterat cotgaagget accaactaca atggecacae 780
gtgtctacac ttagcctcta tccatggcta cctgggcatc gtggagcttt tggtgtcctt 840
gggtgetgat gtcaatgete aggageeetg taatggeegg actgeeette acctegeagt 900 ggacetgeaa aateetgace tggtgteact eetgttgaag tgtggggetg atgteaacag 960
agttacetae cagggetatt etecetacea geteacetgg ggeegeecaa geacecggat 1020
acagcagcag ctgggccagc tgacactaga aaaccttcag atgctgccag agagtgagga 1080
tgaggagagc tatgacacag agtcagagtt cacggagttc acagaggacg agctgcccta 1140
tgatgactyt gtgtttggag gccagcgtct gacgttatga gcgcaaaggg gctgaaagaa 1200 catggacttg tatatttgta caaaaaaaaa gttttattt tctaaaaaaa gaaaaaagaa 1260
gaaaaaattt aaagggtgta ottatatooa cactgoacac tgootggooc aaaacgtott 1320
attgtggtag gatcagccct cattttgttg cttttgtgaa ctttttgtag gggacgagaa 1380
agatcattga aattotgaga aaacttottt taaacctcac otttgtgggg tttttggaga 1440
aggttatcaa aaatttcatg gaaggaccac attttatatt tattgtgctt cgagtgactg 1500
accccagtgg tatcctgtga catgtaacag ccaggagtgt taagcgttca gtgatgtggg 1560
gtgaaaagtt actacctgtc aaggtttgtg ttaccctcct gtaaatggtg tacataatgt 1620
attgttggta attattttgg tacttttatg atgtatattt attaaacaga tttttacaaa 1680
tgagttatec tgatcatttt etteaggetg cegtgggeet ceggttetga agttecatee 1740
tccggcagan gtggaggtgg agcagtgtga gggaggaggt aactcccagc agcttctcac 1800
acctgacacc cagcitccag caaagcittg caggcaccct gggcccagtg tgtgggaggg 1860 aggctyttgc aagctatag gaaattacca acctcaggct tggggtggaa gcatgctgtt 1920 tggcctgtg ttgggacgcacc tcccattgtc altotagtcat cccgttgat taaacttcct 1920
ggaccetaat tgccagttga ggaaattatt ttggccaaga agaatatgct gaattcatat 2040
agagetggga aagateteae taatacagga agtteetaag gacatagget cagaaatggg 2100
actgcactga catttgttag cagatgctca cctactgagc ctcagttttc tcatttatta 2160
nnnnnnnntg ctaaagaaaa acaagctgtt acgcaacgtt ctttatgtca taccaggaga 2280
aacaagtcca gagagaatgt cctgtctagg gtcaccttgc aggagaaata ggtggttaac 2340
atatticata cgtgctcgtt taggggtaaa catcttttaa gagcatccat ctcttaaatc 2400
tatgtgttat tg
<210> 170
<211> 2980
<212> DNA
<213> Homo sapiens
<221> misc feature
<223> Incyte ID No: 1098409.1
<400> 170
```

```
gagcaattqa ttaatagctc ggcgagggga ctcactgact gttataataa cactacacca 60
gcaactcctg gcttcccagc agccggaaca cagacaggag agagtcagtg gcaaatagac 120
atttttctta tttcttaaaa aacagcaact tgtttgctac ttttatttct gttgattttt 180
ttttettggt gtgtgtggtg gttgttttta agtgtggagg gcaaaaggag ataccatece 240
aggetcagte caaccectet ccaaaacgge ttttetgaca etecaggtag egagggagtt 300
gggtetecag gttgtgcgag gagcaaatga tgaccgccaa ggccgtagac aaaatcccag 360
taactetcag tggttttgtg caccagetgt etgacaacat etacceggtg gaggaceteg 420
ccgccacgtc ggtgaccatc tttcccaatg ccgaactggg aggccccttt gaccagatga 480 acggagtggc cggagatggc atgatcaaca ttgacatgac tggagagaag aggtcgttgg 540
ateteccata teccageage tttgeteeeg tetetgeace tagaaaccag acetteactt 600
acatgggcaa gttctccatt gaccctcagt accctggtgc cagctgctac ccagaaggca 660
taatcaatat tgtgagtgca ggcatcttgc aaggggtcac ttccccagct tcaaccacag 720
coctcatocag cytcacotct goctococca accaactyge cacaggacce ctggytyty 780 goaccatyte ccagaccag cotpacetyg accactyte ctotcogca cogoctocte 840 ctocttatte tyggotytgea gyagacctet accaggacce thotogoca cogoctocte 840 ccacacactet
agccagcac qqaccaqqt ctcttcccaa tqatcccaqa ctatcctqqa ttctttccat 1020
ctcagtgcca gagagaccta catggtacag ctggcccaga ccgtaagccc tttccctgcc 1080
cactggacac cetgegggtq eccetecae teactecaet etetacaate eqtaacttta 1140
coctgggggg coccagtget ggggtgaceg gaccagggge cagtggggge agegagggac 1200 cocggetiec tggtgacage titoaagcage agegagge egecgecege gecgetata 1280 acceacaca cetgccactg eggcecatte tgaggeteg caagtacee accagaacca
geagacacc ggtgcacgag aggeetacc cgtgcccage agaaggetge gaccggcggt 1380
tetecegete tgacgagetg acaeggeaca tecgaateca caetgggeat aagecettee 1440
agtgteggat etgeatgege aactteagee geagtgacea ceteaceace catateegea 1500
cccacaccgg tgagaagece ttegeetgtg actactgtgg ccgaaagttt gcccggagtg 1560
atgagaggaa qcqccacacc aagatccacc tqagacagaa agaqcqqaaa agcagtqccc 1620
cetetgeate ggtgccagee ceetetaeag ceteetgete tgggggggtg cageetgggg 1680
gtaccetgtg cagcagtaac agcagcagte ttggcggagg gccgctcgcc cettgctcct 1740
ctoggacccy gacaccttga gatgagactc aggotgatac accagetcoc aaaggtcocg 1800
gaggcccttt gtccactgga gctgcacaac aaacactacc accetttect gtccctctct 1860
ccetttgttg ggcaaagggc tttggtggag ctagcactgc cccctttcca cctagaagca 1920
ggttetteet aaaacttage ceattetagt etetettagg tgagttgact atcaacccaa 1980
ggcaaagggg aggctcagaa ggaggtggtg tggggacccc tggccaagag ggctgaggtc 2040
ygcamagygy sygticagam gamygigyt tygygartic tygicamagag ygtigmagyu 2000
tygaccigit timamgygit gittgactag gittigctac occarioco ethatitiga 2100
cocatomag gittitigaco ciggatytac gagtigmato magyacytiti otacaming 2100
tigggagatg cigatocot camagiggga cagcamanama acamagcamam cigatytyca 2220
ctttatggct tgggactgat ttgggggaca ttgtacagtg agtgaagtat agcctttatg 2280
ccacactety tygocctaaa atgytgaate agagcatate tagttytete aaccettyaa 2340
Goaltafyta tytatokana argytyaatto agaptacatti pattyytetti aactityaa 2400
Goaltafyta titataaacto agagaacaga agitycaatty gatgygagga acatagcaat 2400
akctyctoct tittogagity titgagaaat ytagotatti tittocagty akatocacto 2460
aga
aactaggatg catgcaattg tgttggaagt gtccttggtg ccttgtgtga tgtagacaat 2640
gettacangget etgeatgiaa atgggitige tiattatgga gaaaaaaate aetcetgag 2700
gitacanggt etgeatgiaa atgggitige tiattatgga gaaaaaaate aetcetgag 2700
titagtatgg etgeatatit etgeetatta atatitigga tittettita aaagtatati 2750
titigtatget tigtitigga actiaaaagi gitacetiig tagteaaata toagataaga 2820
atgtacataa igitacegga getgatiigi tiggicaita geteitaata gitgigaaaa 2880
aataaatcta tictaacgca aaaccactaa ctgaagttca gataatggat ggtttgtgac 2940
tatagtgtaa ataaatactt ttcaacaaca aaaaaagaat
<210> 171
<211> 5240
<212> DNA
<213> Homo sapiens
<221> misc_feature
<223> Incvte ID No: 202023.6
<400> 171
geetggteee etategeete egeetageag etgeeategg tgegeeeeea eagetetagg 60
accaatagge aggecetagt getgggacte gaacggetat tggttggeeg agecgtggtg 120
agagatggtg eggtgeetgt tettggeeet geagagaget gtgggeggtt gttaaggega 180
cogttegtga cgtagegeeg teaggeegag cageeceeag gegattgget agacaatega 240
acgatectet ettattggte gaaggetegt ceageteega gegtgegtaa ggtgaggget 300
cetteegete egegaetgeg ttaactggag ceaggetgag egteggege ggggtteggt 360
```

WO 01/77389				PCT/US	01/11128
ggcctctagt gagatctgga	ggatecaagg	attetgtage	tacaatotto	tcaagacttt	420
ttcgaatgca tggcctcttt	gtggcctece	atccctggga	agtcatagtg	gggacagtga	480
cactgaccat ctgcatgatg	tccatgaaca	tgtttactgg	taacaataag	atctgtggtt	540
ggaattatga atgtccaaag caataacacg atgcatagcc	atcototata	tttaattaa	cagtgacatt	ttaggtgaag	660
ttggatcaaa atatattttg	ggtattgctg	gccttttcac	aattttctca	agttttgtat	720
tcagtacagt tgtcattcac	ttcttagaca	aagaattgac	aggcttgaat	gaagetttge	780
cettttteet aettttgatt					
gttccaactc acaggatgaa ctacgtttac cctcgatgct					
gggtacgtca gcttgaaatt	atgtgctgct	ttogctgcat	gtcagttctt	gccaactact	1020
tegtgtteat gaetttette	ccagettqtq	tatecttaat	attagagett	tetegggaaa	1080
geegegaggg tegtecaatt	tggcagctca	gccattttgc	ccgagtttta	gaagaagaag	1140
aaaataagce gaatcetgta ttgttcatge tcacagtege	tagatageta	atcottotoc	tatgteteta	ggettggtte	1260
cttctaaggt ttcattagga	ctggatgaaa	atgtgtccaa	gagaattgaa	ccaagtgttt	1320
cectetggea gttttatete	tctaaaatga	tcagcatgga	tattgaacaa	gttattaccc	1380
taagtttage teteettetg	gctgtcaagt	acatettett	tgaacaaaca	gagacagaat	1440
ctacactete attaaaaaac acaattgttg tagacgtgaa	cctatcacat	tcacaaataa	gacacaaaag	aaagtcccag	1560
aggaagagac agggataaac					
aaacagatac cccaaacaga	gctacatttg	tggttggtaa	ctcctcctta	ctcgatactt	1680
catcagtact ggtgacacag					
aagaatgtet acagataett agateateea gttagteaat	gggaatgcag	agaaaggtgc	aaaattcctt	agtgatgetg	1800
aaactcatga gcgtggtgta	tetattegee	gacagttact	ttccaagaag	ctttcagaag	1920
cttcttctct ccagtaccta	ccttacaggg	attataatta	ctccttggtg	atgggagett	1980
gttgtgagaa tgttattgga					
tagatgaaaa agaatttcag	gttccaatgg	caacaacaga	aggttgtctt	gtggccagca	2100
ccaatagagg ctgcagagca atgggatgac tcgtggccca	attatacate	ttecacgtge	ttotoactct	gcagaagtga	2220
aageetgget egaaacatet	gaagggttcg	cagtgataaa	ggaggcattt	gacagcacta	2280
gcagatttgc acgtctacag	aaacttcata	caagtatagc	tggacgcaac	ctttatatcc	2340
gtttccagtc caggtcaggg aagcactttc aaaacttcac	gargeeargg	ctgaaatga	gatttctage	ggtacagaga	2460
actattgtac tgacaagaaa	cctgctgcta	taaattggat	agagggaaga	ggaaaatctg	2520
ttgtttgtga agetgteatt	ccagccaagg	ttgtcagaga	agtattaaag	actaccacag	2580
aggetatgat tgaggteaac taggaggeta caacgeecat	attaacaaga	atttagtggg	ctctgccatg	gctgggagca	2640
aggatgcagc acagaatgtt	gcagcaaaca	actotattac	tttaatggaa	gcaagtggtc	2760
ccacaaatga agatttatat	atcagctgca	ccatgccatc	tatagagata	ggaacggtgg	2820
gtggtgggae caacctacta	cctcagcaag	cctgtttgca	gatgctaggt	gttcaaggag	2880
catgcaaaga taatcctggg	cttatogcao	cattaggage	aggacatett	ctcaaaactc	3000
taatggctgg ggaattgtca acatgattca caacaggtcg	aagatcaatt	tacaagacct	ccaaggaggt	tocaccaaga	3060
agacagcctg aatagcccga	cagttctgaa	ctggaacatg	ggcattgggt	tctaaaggac	3120
taacataaaa tetgtgaatt	aaaaaagctc	aatgcattgt	cttgtggagg	atgaatagat	3180
gtgatcactg agacagecac atgcagactc ctcagatctg	aacacadttt	antactttac	agaggicica	ctttgaagag	3300
atttcaacaa gaatattgta					
aaggcaaata taagctggga					
tgcaattgac cttctccctc					
gctgatgaaa ctcctgattt agtaagagct aagttctaag	ttcatgttaat	taaattaata	cttcatttag	tactaatat	3600
ttttgatttt ggggggtaat	cagcattatt	cttcagaagg	ggacctgttt	tetteaaggg	3660
aagaaacact cttattccca	aactacagaa	taatgtgtta	aacatgctaa	atagttctat	3720
caggaaaaca aatcactgta	tttatctccg	caggctattt	gttcagagag	gccttttgtt	3780
taaatataaa tgtttaaata ttaggctttt aagaaacaca	gggttttg	ttctttacta	aagatatoog	agetettaat	3900
gttgcttaga tgagggtgac	tgtcaagtac	aagcaagact	gggaccttag	aaatcattgt	3960
agaaacacag ttttgaaaga	aaaataccat	gtctctaagc	caactttaat	tgcttaaaag	4020
acatttttat ttagttgaaa					
ttgtaataaa acttatgcta actgataaaa tactctagcc					
accetggett gettgeegag					
agccacgtga atggccctag	aactgtgcct	agttcctgtg	gccaggaggt	tggtgactga	4320
aacattcaca cagggetett	tgatggaccc	acgaacgete	ttagctttct	cagggggtca	4380

```
gcagagttat tgaatcttaa ttttttttaa tgtacaagtt ttgtataaat aataaagaac 4440
teettatttt gtattacate taatgettea agtgttgete ttggaaaget gatgatgtet 4500
cttgtagaag atggactetg aaaaacatte caggaaacca tggcagcatg gagagcetet 4560
tagigatigt gtotgcattg ttattgtgga agatttacct tttctgttgt acgtaaagct 4620
taaattgctt ttgttgtgac tttttagcca gtgacttttt ctgagctttt catggaagtg 4680
gcagtgaaaa atatgitgag tgttcatttt agtgactgta attaatatct tgctggatta 4740
atgittigta caattactaa attgiataca tittgitata gaatactitt tictagittic 4800
agtaaataat gaaaaggaag tgctgagggt ctgagagggg agatgcatgc gtgtccaggc 4860
tgaagatgee cetatattet gteaaaggtt ggeggggga ggtgttgggg teettteate 4920
tggctccgtt tctggtgctt cttgctaacc aggccgagag gccacacact tgcccccca 4980 tccccacaaa ccaggtaatg ccagtttgcc agcagctatt tgcctataga gatgagtctg 5040
tectggtcat aactgtgtgc tcaaggtgtc caggettttg ggcgtgggcc tatctgggtg 5100
cattatggat ggtttggtgg attgaggtgt ggggaggagg gtcctaggct agagggggta 5160 tccctagtta gactttggga agceacettc aaagttttat ttttttattt gtacctgcct 5220
tottccagaa aacottgaag
<210> 172
<211> 2097
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 350423.5
<400> 172
ggggcqtcqc cqtactagqc ctqcccctq tccqqccaqc ccctcqaaqc acctactcca 60
caggtecage eggeeggtga gegeetgggg acegeagagg tgagagtege geeeggggag 120
teegeegeet gegeeaggat ggagttegtg aaatgeettg ggeeaceeeg aagagtteta 180 caacetggtg egetteegga tegggggeaa geggaaggtg atgeecaaga tggaceagga 240
ctcgctcagc agcagcctga aaacttgcta caagtatctc aatcagacca gtcgcagttt 300
egeagetgtt atecaggege tggatgggga aatgegeaac geagtgtgge atattttate 360
teccgetgtt acacaacttt cactetttee titaccaace agactggggg itcatggaga 480
gcaaggagaa ggategcaag giptggagg actteccaac gatetcestt gagtitagaa 540
acteggetga gaaataccaa acagtgatig cegacattig ceggagaatg ggoattggga
tggcagagtt tttggataag catgtgacct ctgaacagga gtgggacaag tactgccact 660
atgttgctgg gctggtcgga attggccttt cccgtctttt ctcagcctca gagtttgaag 720
accccttagt tggtgaagat acagaacgtg ccaactctat gggcctgttt ctgcagaaaa 780
caaacatcat cogtgactat ctggaagacc agcaaggagg aagagagttc tggcctcaag 840
aggtttggag caggtatgtt aagaagttag gggattttgc taagccggag aatattgact 900
tggccgtgca gtgcctgaat gaacttataa ccaatgcact gcaccacate ccagatgtca 960
tracctacet ttegagaete agaaaccaga gtgtgtttaa ettetgtget attecacagg 1020
tgatggccat tgccactttg gctgcctgtt ataataacca gcaggtgttc aaaggggcag 1080
tgaagattog gaaagggcaa gcagtgaccc tcatgatgga tgccaccaat atgccagctg 1140 tcaaagccat catatatcag tatatggaag agatttatca tagaatcccc gactcagacc 1200
catcttctag caaaacaagg cagatcatct ccaccatccg gacgcagaat cttcccaact 1260
gtcagctgat ttcccgaagc cactactccc ccatctacct gtcgtttgtc atgettttgg 1320
ctgccctgag ctggcagtac ctgaccactc tctcccaggt aacagaagac tatgttcaga 1380
ctggagaaca ctgatcccaa atttgtccat agctgaagtc caccataaag tggatttact 1440
ttttttcttt aaggatggat gttgtgttct ctttattttt ttcctactac tttaatcct 1500
assagascgc tgtgtggctg ggacctttag gaaagtgaaa tgcaggtgag aagaacctaa 1560
acatgaaagg aaagggtgcc tcatcccagc aacctgtcct tgtgggtgat gatcactgtg 1620
ctgcttgtgg ctcatggcag agcattcagt gccacggttt aggtgaagtc gctgcatatg 1680
tgactgtcat gagatcctac ttagtatgat cctggctaga atgataatta aaagtattta 1740
atttgaagca coatttgaat gttegtaata gtagaaaatg atgtgaattt tetttetgtt 1800
egeteetat titteteate attttgittt etttaattgg gttgaatgyag stagatagaa 1860
atatttatgg tttaggtaae agttagatgt tiecetaagaa tgeaaactge etttteeaea 1920
caaaggetgg gaataaaatt etgggtatte tegtattete atttaaagga gtttagettt 1980
cagagagaaa cagcaggatt gettttgace ttttagaaga ttggteteca gtaaaggtgg 2040
acatttttga gatttttata ataaagaatt taattgetet geatttgtea agtaaaa
<210> 173
<211> 3169
<212> DNA
```

<213> Homo sapiens

```
<220>
<221> misc feature
<223> Incyte ID No: 1100023.1
<220>
<221> unsure
<222> 2469-2773
<223> a, t, c, g, or other
<400> 173
getgggttta gtaggagace tggggcaagg ceceetgtgg acgaecatet gecagettet 60
ctcgttccgt cgattgggag gagcggtggc gacctcggcc ttcagtgttt ccgacggagt 120
gaatgydgyg agogyctggg atgctgotyc tgggcttgct goagogygt gggtcoggte 120 ggacgggg gatgctgotyc 220 caacetttg focalyctg ctgategotyc 120 cagocggg gatgctgotyc 220 caacettt focalyctg ctgategocy 240 cycottooc cotcagocgt fytolacotya tocgtcbge gocgocac ctggtcoag 330
tgcccgcagg ggtgaaaagt cctccataca ttttctcccc aattccattc cttgggcatg 360
ccatagcatt tgggaaaagt ccaattgaat ttctagaaaa tgcatatgag aagtatggac 420
ctgtatttag tittaccatg gtaggcaaga catttactta ccttctgggg agtgatgctg 480
ctgcactgct tittaatagt aaaaatgaag acctgaatgc agaagatgtc tacagtcgcc 540
tgacaacacc tgtgtttggg aagggagttg catacgatgt gcctaatcca gttttcttgg 600 agcagaagaa aatgttaaaa agtggcctta acatagccca ctttaaacag catgtttcta 660
taattyaana ayaacaana gaatactty agartiggg agaangtyg gaaaaata 720
tgittyaago tottiotga ototaatit tacangtag ocatigitig oatganagg 82
aaatcagaag toaatcaat gaaanggia ocagotyta tsoagatitig gatganagt 840
toagocatyc agoctygete tiaccaggit ggotyociti goctagitic agacgangg 93
acangastoa togggaaat aggalatit totatangg aatcongaa ogoagasag 960
ctcaagaaaa aattgatgac attctccaaa ctttactaga tgctacatac aaggatgggc 1020
gtcctttgac tgatgatgaa gtagcaggga tgcttattgg attactcttg gcagggcagc 1080
structurgat vatyatuaa syaosayya vyottatuyy attacterty grasyysaye 1980
atacatecta aactactagt gettygatyg gettettitt gecsagagac aasacattc 1140
aasaasaasat ttattagaa cagaaacag tetytygaga gaatetgeet cetttaactt 1200
atyaocaget caagyateta aattacttg ategetytat aasagaaaca ttaagactta 1280
gacctcctat aatgatcatg atgagaatgg ccagaactcc tcagactgtg gcagggtata 1320
coattoctoc aggacateag gtgtgtgtft otcocactgt caatcaaaga éttaaagact 1380
catgggtaga acgoctggac tttaatoctg atcgctactt acaggataac coagcateag 1440
gggaaaagtt tgcctatgtg ccatttggag otgggcgtca tcgttgtatt ggggaaaatt 1500
ttgcctatgt tcaaattaag acaatttggt ccactatgct tcgtttatat gaatttgatc 1560
tcattgatgg atactttccc actgtgaatt atacaactat gattcacacc cctgagaacc 1620
cagttatecg ttacaaacga agatcaaaat gaaaaaggtt gcaaggaacg aatatatgtg 1680
attatcactg taagccacaa aggcattoga aggaatgaa gtgtacaaaa caactcttgt 1740
agtttactgt tttttaagt gtgtaattct aaaagccagt ttatgattta ggattttgt 1800
aactgaatgg ttctatcaaa tataatagca tttgacacat tttctaatag ttatgatact 182
tatacatgtg ctttcaggaa gttccttggt gaaacaattg ttgagggggg atctaggtaa 1920
ttggcagatt ctaaataata taatttccag atagtaattt taagagtact catcgctctt 1980
gocanataan ticagggtat tcaaatottg gactagtoot goaaggtata aagaataaaa 2040
atoccagtga gatacttgga aaccacagtt tattattatt tatotgggca attattgtgt 2100
gigtgaggat ggaagggtag ggaataatog aacatotaaa gocttgaata agagaatact 2160
aattgtt
ggaattttaa ctaaaatcac tgcatatggg aaattaagag atccaggacc atatttgata 2280
agagtteeta aaaataatgt aattattaat getaaagaet geteatgtat ettgatetaa 2340
ttactaaata aattacatat ttatttacct gataaatatg tatctagttc tacaaggtca 2400
nannninnan napannanan napannanan napannanan napannanan napannanan napannanan 2580
DEPENDENCE PRODUCTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DE LA CONTRACTOR DE LA CON
nnnnnnnnn nnntteeetg etteetetet agaateeaat tagggatgtt tgttactaet 2820
catattgatt aaaacagtta acaaactttt ttctttttaa aatgtgagat cagtgaactc 2880
tggttttaag ataatetgaa acaaggteet tgggagtaat aaaattggte acattetgta 2940
aaggacatte totttaggaa teaacttate teaaattgta acteggggee taactatato 3000
agatggetga aaaaatacca catcgtetgt tttcactagg tgatgecaaa atattttget 3060
ttatgtatat tacagttett tttaaaacae tggaagaete atgttaaact etaattgtga 3120
aggcagaatc tctgctaatt tttcagatta aaattctctt tgaaaaaat
```

<210> 174 <211> 502 <212> DNA

```
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 414196.8
<220>
<221> unsure
<222> 371, 394, 409, 420, 446, 448, 458
<223> a, t, c, g, or other
<400> 174
accetcict ceteageget tettettiet tggtttgete ceagateetg actgetgtea 60 tggegtgeee tettgagagaag geectggatg tgaatggtgt cacetteeae aagtacteg 120 geaaagagg tgacaagtte aageteeaaea agtaagaact aaaggagetg etgaaceggg 180
agetgeecag ettettgggg aaaaggaeag atgaagetge ttteeagaag etgatgagea 240
acttggacag caacagggac aacgaggtgg acttccaaga gtactgtgtc ttcctgtcct 300
geategeeat gatgtgtaac gaattetttg aaggetteec agataageag cecagggaga 360
aatgamaact netetgatgt ggttgggggg tetnecaget ggggeeetne etgtegeem 420
tgggeacttt tetttecae eetggntnet toagacangt gettgatget gagcaagtte 480
aatamagatt ettggamagtt tt 502
<210> 175
<211> 5762
<212> DNA
<213> Homo sapiens
<220×
<221> misc feature
<223> Incvte ID No: 331106.6
<400> 175
gcgcgaccgt cccgggggtg gggccgggcg cagcggcgag aggaggcgaa ggtggctgcg 60 gtagcagcag cgcggcagcc tcgtgaccca gcccggagcg cagggcggcc gctgcaggtc 120
cocgetecce teccogtiges tecgeceats gacgacgecs gaagetsts ettgetetae 180 etgteggegg ggetectste eeggetegge gaagetta aettggacae tegggaggae 240
aacgtgatcc ggaaatatgg agaccccggg agcctcttcg gcttctcgct ggccatgcac 300
tggcaactgc agcccgagga caagcggctg ttgctcgtgg gggcccgcgg ggcagaagcg 360 cttccactgc agagagccaa cagaacgga gggctgtaca gctgcgacat caccgcccgg 420
Sugroatura ogogataga gittigataac gatgetgac geografaa agcaaggaa 480
gateagtgga tgggggtac ogtecagag caagtecag gagcaagg cfigacatgt 540
getecegat algasaaaag geageatgt aatacgaagc aggsaatecog agcaactt 540
gggcggtgtt atgtcctgag tcagaatctc aggattgaag acgatatgga tgggggagat 660
tggagetttt gtgatgggeg attgagagge catgagaaat ttggetettg eeageaaggt 720
gtagcagcta cttttactaa agactttcat tacattgtat ttggagcccc gggtacttat 780
aactggaaag ggattgttcg tgtagagcaa aagaataaca ctttttttga catgaacatc 840
tttgaagatg ggccttatga agttggtgga gagactgagc atgatgaaag tctcgttcct 900
gttectgeta acagttactt aggtttttet ttggactcag ggaaaggtat tgtttetaaa 960
gatgagatca cttttgtatc tggtgctccc agagccaatc acagtggagc cgtggttttg 1020
ctgaagagag acatgaagtc tgcacatctc ctccctgagc acatattcga tggagaaggt 1080
ctggcctctt cattiggcta tgatgtgggg gtggtggacc tcaacaagga tgggtggcaa 1140
gatatagtta ttggagccc acagtatttt gatagagatg gagaagttgg aggtgcagtg 1200
tatgtctaca tgaaccagca aggcagatgg aataatgtga agccaattcg tcttaatgga 1260
accaaagatt ctatgtttgg cattgcagta aaaaatattg gagatattaa tcaagatggc 1320
tacccagata ttgcagttgg agctccgtat gatgacttgg gaaaggtttt tatctatcat 1380
ggatotgcaa alggaataaa taccaaacca acacaggttt tcaagggtat atcaccttat 1440
ttggatatt caattgctgg aaacatggac cttgatcgaa attcctacct tgatgttgct 150
gttggttccc tetcagattc agtaactatt ttcagatccc ggcctgtgat taatattcag 1560
aaaaccatca cagtaactcc taacagaatt gacctccgcc agaaaacagc gtgtggggcg 1620
cctagtggga tatgcctcca ggttaaatcc tgttttgaat atactgctaa ccccgctggt 1680
tataateett caatateaat tgtgggcaca ettgaagetg aaaaagaaag aagaaaatet 1740
gggetatect caagagttea gtttegaaac caaggttetg ageccaaata tactcaagaa 1800
ctaactctga agaggcagaa acagaaagtg tgcatggagg aaaccctgtg gctacaggat 1860
aatatcagag ataaactgcg tcccattccc ataactgcct cagtggagat ccaagagcca 1920
agetetegta qqegagtgaa tteaetteea qaaqttette caattetgaa tteaqatgaa 1980
cecaagacag etcatattga tgttcactte ttaaaagagg gatgtggaga egacaatgta 2040
tgtaacagca accttaaact agaatataaa ttttgcaccc qagaaggaaa tcaagacaaa 2100
```

ttttettatt t attgetttag a ggegatgaeg e geatatagag a ggetegeaag e tatttggttt t	aataacagt ccatgaggc actgagggc tgactgtga aagtacaac	gacaaacagc taaactgatt tttccctgag gctcggaaat tgaagtcacc	ccttccaacc gcaacgtttc aaacagttga ccttttaaaa tttgacaccc	caaggaatcc cagacacttt gttgtgttgc gaaattcaaa cagatctgga	cacaaaagat aacctattct caaccagaat tgtcactttt tattaatctg	2220 2280 2340 2400 2460
aagttagaaa c gttattgaac t ggtacagttg t tatgaattca g aacattcagt g	getttate tggegagea ggtaataaa gecaaaaga	ggteteggga agetatgaaa ettaggtaaa aattagcaat	gttgctaaac tctgaagatg cctcttacaa gggaaatggt	cttcccaggt aagtgggaag acctcggcac tgctttattt	gtattttgga tttaatagag agcaaccttg ggtgaaagta	2580 2640 2700 2760
gaatccaaag g ctaacggagt c aacagaaaat t gtgaactgtg t ttgcgctcga g gacattctca t	tcacaactc ttctttatt gaacatcag gttatggaa	aagaaagaaa tgctgaaaga atgcccgctg cagcacattt	cgggaaatta aaataccaga cgggggctgg ctagaggaat	ctgaaaaaca ctcttaactg acagcaaggc attccaaact	gatagatgat tagcgtgaac gtctcttatt gaactacttg	2880 2940 3000 3060
aatgcaggca c ggagtacctt g ttagtgttta t gccacatatc a gatgcatagt a	tcaggttcg gtggatcat actatggaa caaggctga ttgatctac	agtgactgtg cctagtggct gtgtggtttc gatccatgct ttctgtaatt	tttccctcaa attctcgctg ttcaagagaa cagccatctg gtgtggattc	agactgtage ggatettgat ataagaaaga ataaagagag tttaaaeget	tcagtattcg gcttgcttta tcattatgat gcttacttct ctaggtacga	3180 3240 3300 3360 3420
tgacagtgtt c tgaaaagtat a aagctactca t tccaactcag a gagtgactac a	ttgataacc agcgggggc aattcaatt cacagtacg	ttgaaaaaaa ctaaaaaaaa tggatttaaa aacctacagt	acagtggatc aaaaagcttc agcctgctca tttaactgtg	acaaagtgga acagtaccca atccctgagg gatattgtta	acagaaatga aactgctttt actgatttca cgtagcctaa	3540 3600 3660 3720
ggeteetgtt t taatttaaet t gaagggeetg e etaeaeteae e cateaegtta g aaagtgetgt e	tctgggttg ccagttgca tgcactaac ctgtcccac	cctttgtttt ctcaggtgac agagtggccg atcacaagac	tggcgtggct atcctccaga tcctaacctc tatgccattg	gacttacatc tagtgtagct gggcctgctg gggtagttgt	atgtgttggg gaggaggcac cgcagacgtc gtttcaacgg	3840 3900 3960 4020
cctgtttcct a tttcactaaa a gtatttattt t tccagtttac c atcactttga c	gctgtgtga acacacagg ttcttttct cttcaggtt ctaaattat	atacetgete tgeaacagae ttacaaacca ggtttaatca ttactgeaaa	acgtcaaatg ttgaatgcta ttttgttatt atcagaatta aagaaaatct	catacaagtt gttatactta gactaacagg gaattagagc ttataaatgt	tcattctccc tttgtatatg ccaaagagtc atgggaggtc accagagaga	4140 4200 4260 4320 4380
gttgttttaa t aacccaaaag g tattttttac t ttcttggaga a actgtatatt c	tttaagaaa ttagaagcc aatgggttt aggacttga	tagaattata tgcataatgt attcactgaa aagaaatggt	actgtaaaga ttctggattt ctctagtgcg gaatgcctat	tgtttatttc catactgtaa gtttactcac ggtggatcca	aggcattgga cattcaggaa tgctgcaaat aactgatcca	4500 4560 4620 4680
gtataagact a tgttttgttt c actttaaatt g caacagagac t aagttatatg g	ctcccctat tgttttaat gaatagata ggagcaaca	ctgtattccc tgtaaaaatg tgaaagctga gcaaacaggt	aaaaattact gcagggggtg tttttttaa gctaatttgt	ttggggctaa gaattattac ttaccatgct tttggatata	tttaacaaga tctatacatt tcacaatgtt gtataagcag	4800 4860 4920 4980
tgtctgtgtt t tttttctttt c ggaattctta g agtgtttaaa g tagattgcta a atgaatgtcc t	ggaaatett teacaaaat teteagttt ggagetgat	aaaccttaag atattttgtt cttgcttggg actttgacag	atactaagga tacaaaaatt gaacttgtgt tgtttttaga	cgttgttttg tctgtaaaac ccctaatgtg cctgtgttac	gttgtacttt aggttataac tttagattgc taaaaaaaag	5100 5160 5220 5280
tgtttagatt t ttgatacatt t ggatatttgt a cagcattgta t catcaaacca a	atggttgtt ttgtactaa taaaagtgt atgtgaagc agttcagtg	aaaaatgtca ctagcattgt gaaataaatt aaactctaaa tttttatttt	tctcaagtca aaaattattt ttttataaaa attataaatg tggtgtctca	agtcactggt catgattaga gtgttcattg acaacctgaa tgtaatctca	ctgtttgcat aattacctgt tttcgtaaca ttatctattt gatcagccaa	5400 5460 5520 5580 5640
agatactagt g gatcctcaag t ac	ccaaagcaa ctttcattt	tgggattegg teettettta	ggtttttttc tgattaaaag	tgtttteget aaacctacag	ctatgtaggt gtatttaaca	5700 5760 5762

<210> 176 <211> 2733 <212> DNA <213> Homo sapiens

```
-220×
<221> misc feature
<223> Incyte ID No: g180670
<400> 176
cctctgtctc ctgggctqcc tqctqaqcca cqccqccqcc qcqccqtcqc ccatcatcaa 60
gttccccggc gatgtcgccc ccaaaacgga caaagagttg gcagtgcaat acctgaacac 120 cttctatggc tgccccaagg agagctgcaa cctgtttgtg ctgaaggaca cactaaagaa 180
gatgcagaag ttctttggac tgccccagac aggtgatctt gaccagaata ccatcgagac 240
catgoggaag ccacgotgcg gcaacccaga tgtggccaac tacaacttct tccctcgcaa 300
gcccaagtgg gacaagaacc agatcacata caggatcatc ggctacacac ctgatctgga 360
cccagagaca giggaigaig cettigeteg igcettecaa gielggageg aigigacce 420
acigeggitt telegaatec aigaiggaga ggeagacate aigateaget itigecgetg 480
ggageaigge gaiggaiace cettigaegg laaggaegga etectggete aigeetiege 540
cccaggcact ggtgttgggg gagactccca ttttgatgac gatgagctat ggaccttggg 600
agaaggccaa gtggtccgtg tgaagtatgg gaacgccgat ggggagtact gcaagttccc 660
cttcttgttc aatggcaagg agtacaacag ctgcactgat actggccgca gcgatggctt 720
cetetggtge tecaccacet acaactttga gaaggatgge aagtacgget tetgteecca 780
tgaagecetg tteaccatgg geggeaaege tgaaggacag ceetgeaagt ttecatteeg 840
cttccagggc acatectatg acagetgeac caetgagggc egeaeggatg getaeegetg 900
gtgcggcacc actgaggact acgaccgcga caagaagtat ggcttctgcc ctgagaccgc 960
gargangan at angang ta angang ta geocochgt gtetteseet tiggifacing 1800 gggcaacaaa tatagangat gaccaagagg cgccgcagt gacggaagga tytgytytg 1880 gaccaaggc aactagag at gacggaagga tytgytyta gaccaag at gargangang angangangan at gargangang tatagang tataga
cetgtteete gtggeagece acgagtttgg ceacgceatg gggetggage acteceaaga 1200
ccctggggcc ctgatggcac ccatttacac ctacaccaag aacttccgtc tgtcccagga 1260
tgacatcaag ggcattcagg agctctatgg ggcctctcct gacattgacc ttggcaccgg 1320 ccccacccc acactgggcc ctgtcactcc tgagatctgc aaacaggaca ttgtatttga 1380
tggcatcgct cagatccgtg gtgagatctt cttcttcaag gaccggttca tttggcggac 1440 tgtgacgcca cgtgacaagc ccatggggcc cctgctggtg gccacattct ggcctgagct 1500
cccggaaaag attgatgcgg tatacgaggc cccacaggag gagaaggctg tgttctttgc 1560
agggaatgaa tactggatct actcagccag caccttggag cgagggtacc ccaagccact 1620
gaccagoctg ggactgcccc ctgatgtcca gcgagtggat gccgccttta actggagcaa 1680
aaacaagaag acatacatct ttygctggaga caaattctgg agatacaatg aggtgaagaa 1740
gaaaatggat cctggcttcc ccaagctcat cgcagatgcc tggaatgcc tcccgataa 1960
cctggatgcc gtcgtggacc tgcagggcgg cggtcacagc tacttcttca agggtgccta 1860
ttacctgaag ctggagaacc aaagtctgaa gagcgtgaag tttggaagca tcaaatccga 1920
ctggctagge tgctgagctg gccctggcte ccacaggcce ttcctctca ctgccttcg 1980
tacaccggge ctggagaact agagaaggac ccggaggge ctggcagccg tgccttcage 2040
tctacageta atcagcatte tcactectae etggtaattt aagattecag agagtggete 2100
ctcccggtgc ccaagaatag atgctgactg tactcctccc aggcgcccct tccccctcca 2160
atoccaccaa coctcagago caccoctaaa gagataettt gatattttea acgeageeet 2220 getttggget geeetggtge tgecacaett caggetette teettteaca acettetgtg 2280
geteacagaa ceettggage caatggagac tgteteaaga gggeactggt ggeeegacag 2340 cetggeacag ggeagtggga cagggeatgg ceaggtggee actocagace cetggetttt 2400
 cactgctggc tgccttagaa cctttcttac attagcagtt tgctttgtat gcactttgtt 2460
tttttctttg ggtcttgttt ttttttcca cttagaaatt gcatttcctg acagaaggac 2520
teaggttgte tgaagteact geacagtgea teteageeca catagtgatg gttecectgt 2580 teactetact tageatgtee etacegagte tetteteeac tggatggagg aaaaccaage 2640
egtggettee egeteageee teeetgeeee teeetteaac catteeccat gggaaatgte 2700
                                                                                                                                          2733
aacaagtatg aataaagaca cctactgagt ggc
<210> 177
<211> 3707
<212> DNA
<213> Homo sapiens
-220×
<221> misc feature
<223> Incyte ID No: 236574.12
quattettag ttgttttett taqaaqaaca tttetaqqqa ataatacaaq aagatttaqq 60
aatcattgaa gttataaatc tttggaatga gcaaactcag aatggtgcta cttgaagact 120
ctggatctgc tgacttcaga agacattttg tcaacctgag tcccttcacc attactgtgg 180 tcttacttet cagtgcctgt tttgtcacca gttctcttgg aggaacagac aaggagctga 240
ggctagtgga tggtgaaaac aagtgtagcg gggagagtgg aagtgaaagt ccaggaggag 300
```

tagggaacgg	tototaataa	taactamaac	atomaaocom	tctctgtgat	ttataaccaa	360
				attccagtgc		
cegggargee	caactyctat	Cadageceee	ggatgggcta	accedagige	aggittetgga	420
cgcatttgga	tggatcatgt	ttettgtegt	gggaatgagt	cagctctttg	ggattgcaaa	480
				aagatgctgg		
tcagatggat	ccaatttgga	aatgaggctg	acacatagaa	ggaatatgtg	ttctggaaga	600
atagagatca	aattccaaco	accontracca	acadtatata	atgataactt	caacatagat	660
				ctgtcagttt		
				atcttatatg		
gagtcagctc	tctggaactg	caaacatcaa	ggatggggaa	agcataactg	tgatcatgct	840
gaggatgctg	gagtgatttg	ctcaaaggga	acadatetaa	gcctgagact	ggtagatgga	900
gtcactgaat	ghtcaggagg	attagaagtg	agattccaag	gagaatgggg	gacaatatgt	9.50
datdacddct	amacautta	castactact	ataacataa	agcaactggg	atetecaset	1020
googtoacag	ccattggtcg	agttaacgcc	agtaagggat	ttggacacat	euggerugae	T080
				gtaaacacca		
aagcattatt	gcaatcacaa	tgaagatgct	ggcgtgacat	gttctgatgg	atcagatctg	1200
gagctaagac	ttagaggtgg	aggcagccgc	tatactagga	cagttgaggt	ggagattcag	1260
agactottag	adaparata	tgacagagge	taggaactga	aagaagctga	tataatttac	1320
				aagtgtactc		
gcaacaaaca	catggctgtt	tetaagtage	tgtaacggaa	atgaaacttc	tetttgggae	1440
				atgaagaagc		
tgctcaggcc	cacaggggaa	cccagactgg	ttggagggga	cattccctgt	tetaaacata	1560
ttgaagtgaa	gcatggtgac	acatagaact	ccatctotoa	ttcagacttc	tetetagaag	1620
				tgtctctatc		
				attccagtgt		
agtcccatct	ttcactctgc	ccagtagcac	cccgcccaga	aggaacttgt	agccacagca	1800
gggatgttgg	agtagtetge	tcaagataca	cagaaattcg	cttggtgaat	ggcaagaccc	1860
catataaaaa	cagagtggag	ctcaaaaccc	ttaataceta	gggatccctc	totaactete	1920
actoroacat	agaagatgcc	catottettt	accaacaact	taaatgtgga	attaccettt	1980
				gatctggagg		
				aactgctcta		
tatgtccttc	agagcaagtg	gcctctgtaa	tctgctcagg	aaaccagtcc	caaacactgt	2160
cctcgtgcaa	ttcatcgtct	ttgggcccaa	caaggcctac	cattccagaa	gaaagtgctg	2220
togcctgcat	agagagtggt	caacttcgcc	tggtaaatgg	aggaggtcgc	tatactagga	2280
dantagaat	chatcator	aactactaca	aceastata	tgatgacage	taaaaaataa	2340
				ggccattaat		
				tgagatgaaa		
aagaatcccg	catttggcag	tgccattcac	acggctgggg	gcagcaaaat	tgcaggcaca	2520
aggaggatge	gggagttatc	tgctcagaat	teatgtetet	gagactgacc	agtgaagcca	2580
				tggagettgg		
ncaagagtag	catototosa	accactataa	atataatata	caggcagctg	aactatacaa	2700
				gtccattccc		
				agtgcccatc		
gagaagagac	tggccagccc	ctcggaggag	acctggatca	catgtgacaa	caagataaga	2880
cttcaggaag	gacccacttc	ctgttctgga	cqtqtqqaqa	tetggcatgg	aggttcctgg	2940
gggacagtgt	gtgatgactc	ttgggacttg	gacgatgete	aggtggtgtg	tcaacaactt	3000
agetataate	carctttraa	accettcasa	daadcadadt	ttggtcaggg	asataasaaa	3060
				ccttgtggga		
				ctgcagtgaa		
				gctcatcccg		
tttattgcag	tegggatect	taggattatt	ctqttqqcca	ttttcgtcgc	attattcttc	3300
ttgactaaaa	agcgaagaga	nagacagegg	cttgcagttt	cctcaagagg	agagaactta	3360
atccaccasa	ttcaataccc	anganatanas	tetteeetes	atgcagatga	tataaaaata	3420
augaauteet	caggaggcca	ttetgageea	cactgaaaag	gaaaatggga	atttataacc	3480
cagtgagttc	agcctttaag	ataccttgat	gaagacctgg	actattgaat	ggagcagaaa	3540
ttcacctctc	tcactgacta	ttacagttgc	atttttatgg	agttettett	ctcctaggat	3600
tcctaagact	octoctoaat	ttataaaaat	taagtttgtg	aatgtgacta	cttagtggtg	3660
	tttcaaggga				o coag ogg og	3707
cacacgagac	ccccaaggga	uc caaacaaa	caucuagaa	cgccaaa		3707
<210> 178						
<211> 4809						
<212> DNA						
040.	eanione					
<213> Homo						
<213> Homo	papiens					
<213> Homo <220>	Bup I ella					
	-					
<220> <221> misc	_feature	000033.6				
<220> <221> misc	-	000033.6				
<220> <221> misc	_feature	000033.6				

<400> 178			-			
	gatggattgt	aggrantagg	atecestace	atctaatctc	ctccaactcc	60
thettetac	aacatgggga	agggagtagg	ccttcatcca	agtetagtte	tteteetett	120
antectecta	cccacagacg	cctcagtctc	tagaaaacca	cagtatatatgg	ttctggtccc	180
	cacactgaga					
gacagtgact	gtaagtgctt	ccttggagtc	tatcagggga	aacaggagcc	tetteactga	300
cctagaaaaa	gagaatgacg	tactccacto	tatcaccttc	gctgtcccaa	agtetteate	360
caatgaggag	gtaatgttcc	tcactgtcca	agtgaaagga	ccaacccaag	aatttaagaa	420
gcggaccaca	gtgatggtta	agaacgagga	cagtctggtc	tttgtccaga	cagacaaatc	480
aatctacaaa	ccagggcaga	cagtgaaatt	tegtgttgte	tccatggatg	aaaactttca	540
ccccctgaat	gagttgattc	cactagtata	cattcaggat	cccaaaggaa	atcgcatcgc	600
acaatggcag	agtttccagt	tagagggtgg	cctcaagcaa	ttttcttttc	ccctctcatc	660
agagecette	cagggctcct	acaaggtggt	ggtacagaag	aaatcaggtg	gaaggacaga	720
	accgtggagg					
	accatcttgg gtccctggac					
	ggtgaagatt					
	ttctatcagc					
	cttcacactg					
	tccagtgaaa					
ctcacacttt	cgacagggaa	ttcccttctt	tgggcaggtg	cgcctagtag	atgggaaagg	1200
cgtccctata	ccaaataaag	tcatattcat	cagaggaaat	gaagcaaact	attactccaa	1260
tgctaccacg	gatgagcatg	gccttgtaca	gttctctatc	aacaccacca	atgttatggg	1320
tacctctctt	actgttaggg	tcaattacaa	ggatcgtagt	ccctgttacg	gctaccagtg	1380
ggtgtcagaa	gaacacgaag	aggcacatca	cactgcttat	cttgtgttct	ccccaagcaa	1440
	caccttgagc					
	tatattctga					
ccacccgaca	atggcaaagg atgaagggcc	gaggcaccgc	ccgaactggg	acceatygae	acattactco	1680
	ttgctcatct					
aaaatatgat	gttgaaaatt	gtctggccaa	caaggtggat	ttgagcttca	gcccatcaca	1800
aagtetecea	gcctcacacg	cccacctgcg	agtcacagcg	gctcctcagt	ccgtctgcgc	1860
cctccgtgct	gtggaccaaa	gcgtgctgct	catgaageet	gatgctgagc	teteggegte	1920
ctcggtttac	aacctgctac	cagaaaagga	cctcactggc	ttccctgggc	ctttgaatga	1980
ccaggacgat	gaagactgca	tcaatcgtca	taatgtctat	attaatggaa	tcacatatac	2040
tccagtatca	agtacaaatg	aaaaggatat	gtacagette	ctagaggaca	tgggcttaaa	2100
	aactcaaaga					
aatgcatgga	cctgaaggtc ctggtgcatg	tacgtgtagg	tttttatgag	tcagatgtaa	tgggaagagg	2220
transcator	atctgggatt	taataataat	asactosocs	accytacyaa	agracticec	2340
	gacaccatca					
togacttogt	atctcttcca	ctacctctct	ccgagccttc	carcecttet	ttgtggaggt	2460
cacaatgcct	tactctgtga	ttcgtggaga	ggccttcaca	ctcaaggcca	cggtcctaaa	2520
ctaccttccc	aaatgcatcc	gggtcagtgt	gcagctggaa	gcctctcccg	ccttcctage	2580
tgtcccagtg	gagaaggaac	aagcgcctca	ctgcatctgt	gcaaacgggc	ggcaaactgt	2640
gtcctgggca	gtaaccccaa	agtcattagg	aaatgtgaat	ttcactgtga	gegeagagge	2700
actagagtct	caagagctgt	gtgggactga	ggtgccttca	gttcctgaac	acggaaggaa	2760
agacacagtc	atcaagcctc	tgttggttga	acctgaagga	ctagagaagg	aaacaacatt	2820
	ctttgtccat gtagaagaat					
	caaaacacac					
tatootcoto	tttgctccta	acatctatot	actggattat	ctaaatcaaa	cacagcagct	3060
tactccagag	gtcaagtcca	addccattdd	ctatctcaac	actoottacc	agagacagtt	3120
gaactacaaa	cactatgatg	gctcctacag	cacctttggg	gagcgatatg	gcaggaacca	3180
	tggctcacag					
cttcatcgat	gaagcacaca	ttacccaagc	cctcatatgg	ctctcccaga	ggcagaagga	3300
	ttcaggagct					
agatgaagtg	acceteteeg	cctatatcac	catcgccctt	ctggagattc	ctctcacagt	3420
cactcaccct	gttgtccgca	atgccctgtt	ttgcctggag	tcagcctgga	agacagcaca	3480
agaaggggac	catggcagcc	augtatatac	caaagcactg	ciggcctatg	cutttgccct	3540
ggcaggtaac	caggacaaga tctgtccatt	ggaaggaagt	tanganana	citaatgagg	tagagaatt	3660
	caggetecet					
	cagccagccc					
gtggatcaca	aagcagcaga	atocccaoon	caatttetee	tccacccann	acacagtggt	3840
ggctctccat	gctctgtcca	aatatggagc	agccacattt	accaggacto	ggaaggetge	3900
acaggtgact	atccagtctt	cagggacatt	ttccagcaaa	ttccaagtgg	acaacaacaa	3960

```
cegeetgtta etgeageagg teteattgee agagetgeet ggggaataca geatgaaagt 4020
gacaggagaa ggatgtgtct acctccagac atccttgaaa tacaatattc tcccagaaaa 4080
ggaagagtte ceetttgett taggagtgea gaetetgeet caaacttgtg atgaacceaa 4140
ageceacace agettecaaa tetecetaag tgteagttae acagggagee getetgeete 4200
caacatggcg atcgttgatg tgaagatggt ctctggcttc attcccctga agccaacagt 4260
qaaaatgett qaaagateta accatqtgag ceggacagaa qteagcagca accatqtett 4320
gatttacett gataaggtgt caaatcagac actgagettg ttetteacgg ttetgcaaga 4380
tgtcccagta agagatetga aaccagccat agtgaaagte tatgattact acgagacgga 4440
tgagtttgca attgctgagt acaatgctco ttgcagcaaa gatettgagaa atgcttgaga 4500
accacaagge tgaaaagtge tttgctggag tectgttete agagctecae agaagacacg 4550
tgtttttgta tetttaaaga ettgatgaat aaacactggt gattaaggaa gtecaggagt 4620
tttacaagga cacctacaac aagctgaaaa ccaaggatga gccccagcgg gaaacgctga 4680
aagccatcca ctatgcgttg aactgctgtg gtttggctgg gggcgtggaa cggtttatct 4740 cagacatctg tcccaagaag gacgtactcg aaaacttcac cgtgaagtcc tgtgctgatg 4800
ccatcaaag
                                                                             4809
<210> 179
<211> 1164
<212> DNA
<213> Homo sapiens
<221> misc feature
<223> Incyte ID No: 037567.22
<221> unsure
<222> 880
<223> a, t, c, q, or other
geggaatgtc acaaaggegc agggtggttg cccaaagagt ttggttttgt ggggctgcag 60
accaaagegg eccaggaage geeggaegte getgaagetg gegtggegag geaegttetg 120
cagetecagt ttaaagatet cagaggacae teatgaggae catgataett ceaetgagaa 180
tacagacgag tccaaccatg accetcagtt tgagccaata gtttetette etgagcaaga 240
aattaaaaca ctggaagaag atgaagagga actttttaaa atgcgggcaa aactgttccg 300 atttgcctct gagaacgatc tcccagaatg gaaggagga ggcactggtg acgtcaagct 360
cetgaageac aaggagaaag gggecateeg ceteeteatg eggagggaca agaccetgaa 420
gatetgtgcc aaccactaca teacgecgat gatggagetg aagcccaacg caggtagega 480
cegtgectgg gtctggaaca cccaegetga ettegeegae gagtgeeeca agecagaget 540
getggecate egetteetga atgetgagaa tgeacagaaa tteaaaacaa agtttgaaga 600
atgcaggaaa qagategaag agagagaaaa gaaagcagga teaggcaaaa atgateatge 660
cgaaaaagtg gcggaaaagc tagaagctct ctcggtgaag gaggagacca aggaggatgc 720
tgaggagaag caataaateg tettatttta ttttetttte etetettee ttteetttt 780
ttaaaaaatt ttaccetgee cetettttte ggtttgtttt tattetttea tttttacaag 840
ggacgttata taaagaactg aactcaacat tcaggttgtn ttttttttt gtttctaagt 900
ttttgcccta ttgaagatga cttcagaaaa tccattcccc agtcatgaaa atgtactgtg 960
ctaactttct tttccatagt ggaaacactt atttatagtc atcaaaaata gtgaataaaa 1020
aacacatttg gaacetggge cagatggeag gactgtgtgt gtacaggeec etgegetgtg 1080
agegeegete geetaageet eeegggtgta totecaggee totecgeage acaggtgggt 1140
getgeacete aeggtageet gggt
<210> 180
<211> 2996
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incvte ID No: 995610.1
<400> 180
ggagtttatt cataacgcgc tctccaagta tacgtggcaa tgcgttgctg ggttatttta 60
atcattctag gcatcgtttt cetecttatg cetetateat teeteectat etacactaac 120
ateceaeget etgaaegege geecattaat accettettt cetecaetet eeetgggaet 180 ettgateaaa gegeggeeet tteeceagee ttagegagge geeetgeage etggtaegeg 240
cgtggcgtgg cggtgggcgc gcagtgcgtt ctcggtgtgg agggcagctg ttccgcctgc 300
```

agcanggaaa atcaatgarg gagtetocte cecaaagcaag gagcetttat qccaaagcaag ggccetttat qcgacegge ttedgagggccggcgg ttetgagggccgg ggtetgagggccgg ggtetgagg qgccggaggggggaggagg qgcgagagg qgcgagagag qgcgagagag qgcgagagag qgcgagagag qgcgagagag qgcgagagag qgcgagagag qgcgagagag qgcgagagaag qgcagagaag qgcagagaag qgcagagaaa qgtagagaaa qgtagagaaa qgtagagaaa qgtagagaaa qgtagagaaa qgtaggaaa qgaatgtta qgaatgtta ttaggtaca qaatatgag qaaaqgaaa qgtaggaa qgaatgtag aaaqgaat qgaaggaa qgtaggaa qgaatgagaa qgtaggaa qgaatgagaa qgaatgagaa qgaatgagaa qgaatgagaa qgaatgagaa qgaatgaa qgaagaa qgaagaaa qgaagaaaa qgaagaaaa qgaagaaaa qgaagaaaa	gggagagggt ctctcttact ccaccttcc gggcgtgggg aatcgaggg aatcgaggg aatgggagag tagcggggag tagcggggag tagcggggaa ttatctaact aggtgaatag gagaatagg ttatctact ttatctaact ttagggaaa cctaaggtt ttagggaaa gcagatagg accagact ttagggaaa gacctcat tctactgcg ccagcgcc ccagcgcc ccagctgcc ccagctgcc ccagctgcc cagctgctc aacctcatct caagctgtctac gagaaccacg cgcagcc ccagctgcc cagctgcc cagctgccc cagctgcc cagctgccc cagctgcc cagctgccc cagctg	ttgagagga ttgagagga ctcgttacat coaccatce gaaaaactagagga ctcgagaacggag cytogagaacgagagaacgagagagaacgagagagagagagag	gcaaaagaaa cctagagcta cacctagagcta cacctagagagcta cacctagagagcta cacctagagagcta cacctagagagcta cacctagagagagcta cacctagagagaga cacctagagagagag cacctagagagagag cacctagagagagag cacctagagagagag cacctagagagagag caccaccagagagag caccaccagagagag	cagtactgct atggtaggcg gagtgtcgg gagtgtgccgg gagtgtgcccgg gagtgtgcccccccccc	ogogtagtta coggget teceggget teceggget teceggget tecegggget tecegggget gaaaggeggt gatereceggg gatereceggg gatereceggg gatereceggg gaterecegg gagagget agaagget agaagget agaagget agaagget agaagget agaagget agaagget tegecace geggteaac geggaaget teterecegg tegecace geggteaac geggaagget atctgegac aggaagagat tectcaaga aggaagagat tectcaaga aggaagac atcaggaac gaagagac tttaaaaaa gaagagac tttaaaaaa gaactttt tetttttaaa ataacttta ctagtattat tagttgatttt	420 540 660 660 780 780 960 1020 11200 11200 11320 113
gacacetect geggacatgg ttetaceget ecceccaegt	tegeceggee actacgaete ecaeggegee egeegeeetg	ggcacccggt gtaccagcac cagcgaggac gggcttgggt	cagcacgtcc tatttctacg atctggaaga cccggcgcag	actgtgccga ccccttccct actatgactg aattcgagct gggacccggc aagcggaatc	cccgcaggga cggggaggat ggtgccatcg ccccgggatt	120 180 240 300

ttitoggace ogggggaace aacceggege tocgggggaace cagtotogg gegaagagagagagagagagagagagagagagagaga	gggaacggct ggccaaggc ccgccccc ccaaggaccgcccc caaggact gtattcggaa atttccacat gctgctccca aggaggaggggggagaagaat ggcgctgag gtgagaagaa tggcgctgag gtgagaagaa ggctgagaaga cctaagaaa gcctttggct caactttggc caactttggc cattagtcca atttcttcc cttctgagaag cattagctcc cttttgct ctttggc cattagctc ctttggct cttggct cttgggct cttgggct cttgggct cttgggct cttgggct ctgggggg gaacttt ctgggaactt ctgggaactt ctgggaactt cttttggc catggttag gggggttt ggggggttt ggggggggttt ggggggg	gyaqaqaqet gyaqaqaqet gtecqeegee ctgtecqetg gyaqaatgaa geeggtcace ctcatecat agaaqaget aaaqqaqat caqtectge toacaactte gyacatgat caqtectge toacaactte gyacatgat caqtectge toacaactte gyacatgat gyacttgaa caqtectge tocaaqatt gyacttgaa caqtectge tocaaqatt gyatqaa aagatettt tocaaqatt toacaactt toacaactt toacaactt toacaactt toacaaqag aagatettt toacaaqag gyatataa aagattaatt toacaaqag gyatataa gyatatatt toacaaqag gyatataa toacaatt toacaaqag toacaaqa toacaaqag toacaaqa toacaaqag ttttttttat aggaaaaaaa agttacag ttttttttat aggaaaaaaa agttacag ttttttttat aggaaaaaaa agttacag tttttttat aggaaaaaaa agttacag tttttttat	gtgagcgacca geggactga ggggaaccag gaaattgatg atcacggtgc cagcaacagc tcagaaaggg accagcaacagc tcagaagagg accacctgg tacttgaag tgacgcaccaaac tagaacttgaca tagaacttgaca tagaacttgaca tagaacttgaca tcatcatcactagag gatgctatga tcatcatagag tcagaattg tcagaattg tcagaattg tcagaattg tcagaattg tcagaattg tcagaattg tcagaattg cttttttgt cagaattg cagaattg gatgcttg gatgcttg cagaattg cagaattg cagaattg cagaattg cagaattg gatgcttg gatgcttg gatgcttg gatgcttg cagaattg cagaattg cagaattg cagaattg gatgctg gatgctg gatgctg gatgctgg gatgcgag gatgcgag gatgggag gatgggag gatgggag gatgggag tagaattgg gaattggag tagaattgg gaattggag tagaattgg gaattggag tagaattgg gaattggag tagaattgg gaattggag tagaattgg gaattggag tagaattgg gaattggag tagaattgg gaattgattg	stysetyeest good to the control of t	bggogogococococococococococococococococo	480 6600 7720 840 840 840 840 840 840 840 840 840 84
gcctgatttt cagagtgggg	aaaatgttgc gcagcttatg	cttctgggac ccacctgagt	atcttctaat cctccntcaa		tcaaacatgt actaatttca	3180 3240
<210> 182 <211> 450 <212> DNA <213> Homo	sapiens					
<220> <221> misc_ <223> Incyt	_feature te ID No: 41	27883.47				
gtctgtccat ctgatcattt tccctgacct tatgcatctc	cctgcaggcc cgcctaaaag aatgttatcg tgcagaggct	acaagetetg agcaaggact eggaatgatg gecagtgeee	gatgaggaac agagttcctg gcccagggct agcagtgagg	acageaetgg ttgaggeaag aceteeagge ecteagagea gaeetgaeet ectgeatttg	tcaccagece cagtecetga ggaactecae caggggcaga	120 180 240 300

```
acceacetga geaccecaga cacetteete aacceaggeg ggtggacagg gteeccetgt 420
ggtecageca gtaaaaacca tggteceece
                                                                                                                 450
<210> 183
<211> 1643
<212> DNA
<213> Homo sapiens
<221> misc_feature
<223> Incyte ID No: 093687.6
<400> 183
geocagetge gegegeettg ggattgactg tecaegeteg eeeggetegt eegaegegee 60
ctccgccage cgacagacac agecgcacge actgccgtgt tetecetgcg geteggacae 120
atagtatgac cattaggtgt ttcgtctccc acccattttc tatggaaaac caaggggatc 180
gggccatgat agccactggc agctttgaag aacgggacac ctttagagaa gcttgatctt 240
ggaggcctca cogtgagace ttacaaagee ggatteegge agagtteete tatetegtet 300
tgttgctgat taaaggtgcc ccctgtctcc agtttttctc catctcctgg gacgtagcag 360
gaaatcagca tcatggttgg gttcaaggcc acagatgtgc cccctactgc cactgtgaag 420
tttcttgggg ctggcacage tgcctgcate gcagatetea teacetttee tetggatact 480
getaaagtee ggttacagat ccaaggagaa agtcagggge cagtgeggge tacagecage 540
gcccagtacc gcggtgtgat gggcaccatt ctgaccatgg tgcgtactga gggccccga 600 agcctctaca atgggctggt tgccggcctg cagcgccaaa tgagctttgc ctctgtccgc 660
atoggootgt atgattotgt caaacagtto tacaccaagg gototgagca tgccagcatt 720
gggagccgcc tectagcagg cagcaccaca ggtgccctgg ctgtggctgt ggcccagccc 780
acggatgtgg taaaqqtccq attccaaqct caggcccqqq ctqqaqqtqq tcqqaqatac 840
caaagcaccg tcaatgccta caagaccatt gcccgagagg aagggttccg gggcctctgg 900
aaagggacct ctcccaatgt tgctcgtaat gccattgtca actgtgctga gctggtgacc 960
tatgacetca teaaggatge ceteetgaaa gecaacetca tgacagatga ceteeettge 1020
cactteactt etgeetttgg ggeaggette tgeaccaetg teategeete ecetqtaqae 1080
gtggtcaaga cgagatacat gaactetgee etgggecagt acagtagege tggccactgt 1140
gecettacca tgetecagaa ggaggggeee egageettet acaaagggtt catgecetec 1200
Streetward typertedgy gasgyggett ovagetett a catagogget atgetted 1200 tetledcogg of typertedgy gasgyggtt gatgetedgy octobally objections theography of geotoathy of gasgetedgy objective typertedgy octavened the catagogg geotoathet cettiette 1320 objective o
ttecetectt coeffetete ettecetett fecceacete tteetteege teetthacet 1440
accaccttcc ctctttctac attctcatct actcattgtc tcagtgctgg tggagttgac 1500
atttgacagt gtgggaggec tegtaccage caggatecca agegtecegt ceettggaaa 1560
gttcagccag aatcttcqtc ctqcccccga cagcccagcc tagcccactt qtcatccata 1620
aagcaagete aacettgaaa aat
<210> 184
<211> 2517
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incvte ID No: 414100.4
<400> 184
aatteggeac gaqattteta tqqeteecat ttqtaataca aqqaaatqte aqettetaqt 60
tttgtaacgt cttgcccaag agctgcgacc gttaacttgt ggagtttgga cggcgtcaat 120
gtcaattggt tgcccgacct ttattctgcc ttgtcccata gatttagaaa gaggctgaca 180
catctggtaa ctagtttacg gtcatctgcc tctaagcgac atttagggta agcgacattt 240
ttcagaaacc aaggccctcc ctctcqtctc actagtggga aggqtggaaa gaacaggaca 300
gaaagetett cetettytyt gaggeagtty etytygaage eccataggea ggaggeeccc 360
ggggcagcac atcetgtetg ettgtgtetg etgeagagtt etgteettge attggtgeeg 420
ceteaggeea ggetgeactg etgggacetg ggeeatgtet ceceaceea eegeceteet 480
gggcctagtg ctctgcctgg cccagaccat ccacacgcag gaggaagatc tgcccagacc 540
ctccatctog gctgagccag gcaccgtgat ccccctgggg agccatgtga ctttcgtgtg 600 ccggggcccg gttggggttc aaacattccg cctggagagg gagagtagat ccacatacaa 660
tgatactgaa gatgtgtete aagetagtee atetgagtea gaggeeagat teegeattga 720
ctcagtaagt gaaggaaatg cogggeetta tegetgeate tattataage cecetaaatg 780
gtctgagcag agtgactace tggagctget ggtgaaagaa acetetggag geeeggacte 840
cccggacaca gageccgget ceteagetgg acceaegeag aggecgtegg acaacagtea 900
```

```
caatgagcat geacetgett eccaaggeet gaaagetgag catetgtata tteteategg 960
ggtetcagtg gtetteetet tetgteteet cetectggte etettetgee tecategeca 1020
gaatcagata aagcaggggc cccccagaag caaggacgag gagcagaagc cacagcagag 1080 gcctgacctg gctgttgatg ttctagagag gacagcagac aaggccacag tcaatggact 1140
teetgagaag gacagagaga cagacacete ggccetgget gcagggagtt cccaggaggt 1200
gacgtatget cagetggace actgggeet cacacagagg acageeggg ctgtgteece 1260
acagtecaca aageecatgg cegagtecat caegtatgea geegttgeea gacactgace 1320
ccatacccac etggeetetg cacetgaggg tagaaagtea etetaggaaa ageetgaage 1380
agreattigg aaggetteet gitggattee tetteateta gaaagecage caggeagetg 1440
teetggagae aagagetgga gaetggaggt ttetaaceag catecagaag gttegttage 1500
caggingtee ettetacaat egageagete ettagacaga etgittetea gitatiteea 1560
gagacccage tacagtteec tggetgttte tagagaccca getttattea cetgactgtt 1620
tocagagaco cagotaaagt cacotgootg ttotaaaggo coagotacag coaatcagoo 1680
gattteetga geagtgatge caceteeaag ettgteetag gtgtetgetg tgaaceteea 1740
gtgaceceag agaetttget gtaattatet geeetgetga eeetaaagae etteetagaa 1800
gtcaagagct agccttgaga ctgtgctata cacacacagc tgagagccaa gcccagttct 1860
ctgggttgtg ctttactcca cgcatcaata aataattttg aaggcctcac atctggcagc 1920
cccaggectg gtcctgggtg cataggtctc tcggacccac tctctgcctt cacagttgtt 1980
cocaggicty groupging draughter Coggactos (cocagnitist adapting) 1930 caaagitgat gragggaaac aggacttacg aanacgigt agcgittict tittiaaaatt 2040 taatitgatca ggattgiacg tattoaaggi glaaaatigtic ataatityte glacacgiac 2100 attgic
ttagatatte tgaacttget catettagga etteacattg gtgteagtgt tttetgacaa 2220
atcacotota tcaggaatga atgagggagg tgtggctggg tgaaggcaga gagccgacce 2280
tacaggica catetycaca tacatycaca ggaatycaty etecacac catycetaca 2340 cacacycac acacagacat pacataca cacacycec caggaatate aggaataca 2400 tagacetyct gitigyttyag gcattactetya ytatecacac tacetytagg gtoagatyca 4000 tagacetyct g
ctgattgaca cagaaaatta ccctatgtac cactaggagg cggcagaatc tcatttg 2517
<210> 185
<211> 897
<212> DNA
<213> Homo sapiens
<2201>
<221> misc_feature
<223> Incyte ID No: 235148.4
<400> 185
atgaaagagt gcaagctctc acttcccctt cctgtacagg gcaggttgtg cagctggagg 60
cagagcagtc ctctctgggg agcctgaagc aaacatggat caagaaactg taggcaatgt 120
tgtcctgttg gccatcgtca ccctcatcag cgtggtccag aatggattct ttgcccataa 180
agtggagcac gaaagcagga cccagaatgg gaggagcttc cagaggaccg gaacacttgc 240
ctttgagegg gtetacaetg ccaaccagaa etgtgtagat gegtacecca ettteetege 300
totgetetgg tetgegggge tactttgcag ccaagtteet getgegtttg etggaetgat 360
gtacttgttt gtgaggcaaa agtactttgt eggttaceta ggagagagaa egeagageae 420 eeetggetae atatttggga aacgeateat actetteetg tteeteatgt eegttgetgg 480
catatteaac tattacetea tettettttt eggaagtgae tittgaaaact acataaagae 540
gatetecace accatetece etetacttet cattecetaa etetetgetg aatatggggt 600
togtottete atetaateaa tacetacaag teatcataat teagetetto agageattet 660
generate generated and the generated generated grant transfer to the generated generat
tgttttgtga ccaggtttgt gttttcttaa aataaaatgc agagacatgt tttaaaa
<210> 186
<211> 1560
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 430039.3
<220>
<221> unsure
<222> 334
<223> a, t, c, q, or other
```

```
<400> 186
agacacagaa cectagatge eetgeagaat cetteetgtt aeggteeece teeetgaaac 60
atcetteatt geaatattte eaggaaagga aggggetgg eteggaggaa gagaggtggg 120
gaggtgatea gggtteaeag aggagggaae tgaatgaeat eecaggatta cataaactgt 180
cagaggeage eqaagagtte acaagtgtga ageetggaag ceggegggtg cegetgtgta 240
ggaaagaage taaageaett ceagageetg teeggagete agaggttegg aagaettate 300
gaecatggag egegegteet gettigttget gethetgetg eggeggtgg aggtetetge 360
ggaecatggag gaggaggagga tgaagattte egetgegtet geaactete 420
ggaaceteag eeggatggt eggaageet eeagtytgtg tetgeagtag aggtggagat 480
ccatgeogge qgtctcaacc tagageogtt tctaaagege gtcgatgegg acgecgaccc 540
geggeagtat getgaeaegg teaaggetet eegegtgegg eggeteaeag tgggageege 600
acaggitect geteagetae tggtaggege cetgegigtg ctagegiaet ecegeeteaa 660
ggaactgacg ctcgaggacc taaagataac cggcaccatg cctccgctgc ctctggaagc 720 cacaggactt gcactttcca gcttgcgcct acgcaacgtg tcgtgggcga cagggcgttc 780
ttggctcgcc gagctgcagc agtggctcaa gccaggcctc aaggtactga gcattgccca 840 agcacactcg cctgcctttt cctgcgaaca ggttcgcgc ttcccggcc ttaccagcct 900
agacetgtet qacaateetg gaetgggega aegeggaetg atggeggete tetgteecca 960
caagttocog gocatocaga atotagogot gogoaacaca ggaatggaga egocoacagg 1020
egtgtgogoc goactggogg eggaaggtgt goagecocac agoctagace teagocacaa 1080
etogotgogo gocacogtaa acoctagogo teogagatgo atgtggtoca gogocotgaa 1140
ctccctcaat ctgtcgttcg ctgggctgga acaggtgcct aaaggactgc cagccaagct 1200
cagagtgete gateteaget geaacagact gaacaggeg cegeageetg acgagetgec 1260 egaggtggat aacetgacac tggacgggaa tecetteetg gtecetggaa etgecetece 1320
ccacgagggc tcaatgaact ccggcgtggt cccagcctgt gcacgttcga ccctgtcggt 1380
gggggtgteg ggaaccetgg tgetgeteea aggggeeegg ggetttgeet aagateeaag 1440
acagaataat gaatggactc aaactgcctt ggcttcaggg gagtcccgtc aggacgttga 1500
ggacttttcg accaattcaa ccctttgccc cacctttatt aaaatcttaa acaacgaaaa 1560
<210> 187
<211> 285
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 2158373F6
<220>
<221> unsure
<222> 249, 255, 257, 281
<223> a, t, c, g, or other
<400> 187
tggtgtgccc tggtgccgtg gtggcggtca ctccctctgc tgccagtgtt tggacagaac 60
ccaaattott tatttttggt aagatattgt gotttacotg tattaacaga aatgtgtgtg 120
tgtgggtttgt ttttttgtaa aggtgaagtt tgtatgttta cctaatatta cctgttttgt 180
atacetgaga geetgetatg ttetttttt gttgateeaa aattaaaaaa aaaaatacca 240
ccaacaana aaaanancag gaacatatga gttgagcaga ntaat
<210> 188
<211> 1202
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 1098815.7
<221> unsure
<222> 1170
<223> a, t, c, g, or other
ggtggatatg gtggcagtgg ggatggctat aatggatttg gtaatgatgg aagcaatttt 60
ggaggtggtg gaagetacaa tgattttggg aattacaaca atcagtette aaattttgga 120
ccccatgaag ggaggaaatt ttggaggcag aagetetgge ccctatggeg gtggaggcca 180
```

```
atactttgca aaaccacgaa accaaggtgg ctatggcggt tecagcagca gcagtageta 240
tggcagtggc agaagatttt aattaggaaa caaagcttag caggagagga gagccagaga 300
agtgacaggg aagetacagg ttacaacaga tttgtgaact cagccaagca cagtggtggc 360 agggcctage tgctacaaag aagacatgtt ttagacaaat actcatgtg atggcaaaa 420
aactogagga ctgtatttgt gactaattgt ataacaggtt attttagttt ctgttctgtg 480
ctgttgattg ctaaatgtaa cagtctgatc gtgacgctga ataaatgtct tttttttaat 600
gtgetgtgta aagttagtet actettaage catettggta aattteecca acagtgtgaa 660
gttagaatte etteagggtg atgeeaggit etattiggaa titatataea acetgetigg 720
gtggagaage cattgiette ggaaacetig gigtagitga acigatagit acigitgiga 780
cctgaagtte accattaaaa gggattacce aagcaaaate atggaatggt tataaaagtg 840
attottogca catectatoc aatatateta aattoaataa tootaecaga taaaattata 900
gatgggaatg aagettgtgt atecattate atgtgtaate aataaacgat ttaattetet 960
tgaatgaaat gacaactgta tggatttggg actggcagag atttggactt tccctaccca 1020 ctccccctga taataatgtt gaatgcttct atcacaattc aagttcaaag ctctgccagg 1080
gaatagaaac tagctqctqq ctaatqccqc tccataaatc cqcaqatttq aaqtqtctqq 1140
gaggeetttt aaaaataact aatateagan ageatttaa tgaaegtaaa gataggetta 1200
Ca
<210> 189
<211> 1417
<212> DNA
<213> Homo sapiens
<221> misc feature
<223> Incyte ID No: 474491.18
<400> 189
getcagegtg caccettett tgtgeteggg ttaggaggag etagggetge categggeeg 60
gtgeagatae ggggttgete ttttgeteat aagagggget tegetggeag tetgaaegge 120
aacgcggtaa aaatattget teggtgggtg acgcggtaca getgeecaag ggcgttegta 180
acgggaatge egaagegtgg gaaaaaggga geggtggegg aagaegggga tgageteagg 240
acagagccag aggccaagaa gagtaagacg gccgcaaaga aaaatgacaa agaggcagca 300 ggagagggcc cagccctgta tgaggaccc ccagatcaga aaacctcacc cagtggcaaa 360
cctgccacac tgcaagatet getettggaa tgtggatggg ettegageet ggattaagaa 420
gaaaggatta gattgggtaa aggaagaagc cccagatata ctytgcctt aaggaagcaa 480
atgttcagag aacaaactac cagctgaact tcaggagctg cctggactct ctcatcaata 540
ctggtcaget cetteggaca aggaagggta cagtggcgtg ggcctgettt ceegccagtg 600
cocactonaa gittottacg gcataggoga tgaggagcat gatcaggaag gccgggtgat 660
tgiggotigaa titigactogi tigitgotiggi aacagoatai gitacotaatg caggocgagg 720
totggitacga citggagtace ggcagogotig ggatgaagoc titlogcaagi toctgaaggg 780
cotggotico cgaaagocoo tigitgotigi tggagacoto aatgitgoac atgaagaaat 840
tgaccttege aaccccaagg ggaacaaaaa gaatgetgge tteacgccac aagagegeca 900
aggetteggg gaattactge aggetgtgee aetggetgae agetttagge acctetacce 960
caacacaccc tatgcctaca ccttttggac ttatatgatg aatgctcgat ccaagaatgt 1020
togttogccc ttgattactt tttgttgtcc catctctgtt acctgcattg tgtgacagca 1080
agatocytto caaggoocto ggoagtgato actytoctat caccotatac ctagcactgt 1140
gacaccacce ctaaatcact ttgagectgg gaaataagee cectoaacta ceatreette 1200
tttaaacact etteagagaa atetgeatte tattteteat gtataaaact aggaateete 1260
caaccagget cetgtgatag agttetttta ageccaagat tttttatttg agggtttttt 1320
gttttttaaa aaaaaaattg aacaaagact actaatgact ttgtttgaat tatccacatg 1380 aaaataaaga gccatagttt caaaaaaaaa aaaaagg 1417
<210> 190
<211> 1487
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 474491.19
<220>
<221> unsure
<222> 1408
<223 > a, t, c, g, or other
```

```
<400> 190
acceaegtgg gggeteageg tgeaecette tttgtgeteg ggttaggagg agetaggetg 60
ccategggee ggtgeagata eggggttget ettttgetea taagagggge ttegetggge 120
agtetgaaeg geaagettga gteaggace ttaattagga teeteaattg getggaggg 180
agatetegeg agtagggeaa egeggtaaaa atattgette ggtgggtgae geggtaeage 240
tgcccaaggg cgttcgtaac gggaatgccq aagcqtqqqa aaaagqqaqc qqtqqcqaa 300
gacqqqqatq aqctcaqqac aqaqccaqaq qccaaqaaqa qtaaqacqqc cqcaaaqaaa 360
aatgacaaag aggcagcagg agagggccca gccctgtatg aggaccccc agatcagaaa 420
accteaccea gtggcaaace tgccacacte aagatetget ettggaatgt ggatgggett 480
cyaqcetqqa ttaaqaaqaa aqqattaqat tqqqtaaaqq aaqaaqeee aqatatactq 540
tgccttcaag agaccaaatg ttcagagaac aaactaccag ctgaacttca ggagctgcct 600
ggactetete ateaatactg gteageteet teggacaagg aagggtacag tggegtggge 660
ctgctttccc gccagtgccc actcaaagtt tcttacggca taggcgatga ggagcatgat 720
caggaaggcc gggtgattgt ggctgaattt gactcgtttg tgctggtaac agcatatgta 780
cctaatgcag gccgaggtct ggtacgactg gagtaccggc agcgctggga tgaagccttt 840
cgcaagttee tqaaggqeet qqetteeeqa aaqeeeettq tqetqtqtqq aqaeeteaat 900
gtggcacatg aagaaattga cettegcaac eecaagggga acaaaaagaa tgetggette 960
acgccacaag agegecaagg ctteggggaa ttactgcagg ctgtgccact ggctgacage 1020
adyotavana agroceany ottogygyar terotrogay ortygorat gyctyacago 1000
tttaggacac totacoccaa cacaccotat goctacacct tttggactta tatgatgaat 1080
gotogatoca agaatyttgg ttggogoct gattacttt tgttgtocca ctototgtta 1140
cotgoattgt f
cotcaactac cattoottot ttaaacacto ttoagagaaa totgoattot atttotoatg 1320
tataaaacta ggaateetee aaccaggete etgtgataga gttettttaa geccaagatt 1380
ttttatttga gggttttttg ttttttanaa aaaaattgaa caaagactac taatgacttt 1440
qtttqaatta tccacatgaa aataaagagc catagtttca aaaaaaa
<210> 191
<211> 2609
<212> DNA
<213> Homo sapiens
<221> misc feature
<223> Incyte ID No: 419031.5
<221> unsure
<222> 2549
<223> a, t, c, g, or other
cacatggtgg aagggcatac aagctctctg aagtccctct ctccctcctc ctcaggttct 60
ayaqcoatyo Ugaacdayo gaatacusyi toyltugudu tibugudu u daadaa aacaayaaca (gaacdayo digaacdayo tigaacgit gaactitaata gootgaaca igaacggaac 120 golgototaa oggitocagto toaggaggaa aatotyogoa gootgitti ggatacaaa 300 gaactiacaa tagaaagaagi agtgatcaat ggacaagaag toaaatatigo tottgagaa 360
agacaaagtt acaagggate gccaatggaa atctetette etategettt gagcaaaaat 420
caagaaattg ttatagaaat ttettttgag acctetecaa aatettetge tetecagtgg 480
ctcactcctg aacagacttc tgggaaggaa cacccatatc totttagtca gtgccaggcc 540
atocactgoa gagcaatoot toottgtoag gacactoott otgtgaaatt aacotatact 600 goagaggtgt otgtocotaa agaactggtg goacttatga gtgotattog tgatggagaa 660
acacetgace cagaagacee aagcaggaaa atatacaaat teatecaaaa agttecaata 720
ccctgctacc tgattgcttt agttgttgga gctttagaaa gcaggcaaat tggcccaaga 780
actitiggtgt ggtotgagaa agagcaggtg gaaaagtotg ottatgagtt ttotgagact 840
gaatetatge ttaaaatage agaagatetg ggaggaeegt atgtatgggg acagtatgae 900
ctattggtcc tgccaccatc cttcccttat ggtggcatgg agaatecttg ccttactttt 960
gtaactccta ctctactggc aggcgacaag tcactctcca atgtcattgc acatgaaata 1020
teteataget ggacagggaa tetagtgace caacaaaact tgggatcact tttggttaaa 1080
tgagggacat actgtgtact tggaacgcca catttgcgga cgattgtttg gtgaaaagtt 1140
cagacatttt aatgetetgg gaggatgggg agaactacag aatteggtaa agacatttgg 1200
cagadattt attystaa ayaattugyy ayaantavay aattugyta ayaattugy
gagaacaat ootttoacaa aacttytyy tystotysaa gaataagaac otyatytsac 1260
ttattottoa yttooctaty ayaaggyet tyottactt tittaacetty aacaactyct 1320
tygagyacoa gagattite
gagcataact actgatgact ggaaggattt cctgtattcc tattttaaag ataaggttga 1440
tgttctcaat caagttgatt ggaatgeetg getetactet cetggactge eteccataaa 1500
```

```
geccaattat gatatgacte tgacaaatge ttgtattgee ttaagteaaa gatggattae 1560
tgccaaagaa gatgatttaa attcattcaa tgccacagac ctgaaggatc tctcttctca 1620
teaattgaat gagtttttag cacagacget ccagagggca cetettecat tggggcacat 1680
aaagegaatg caagaggtgt acaacttcaa tgccattaac aattetgaaa tacgattcag 1740
atggctgcgg ctctgcattc aatccaagtg ggaggacgca attcctttgg cgctaaagat 1800
ggcaactgaa caaggaagaa tgaagtttac ccggccctta ttcaaggatc ttgctgcctt 1860
aattaaaact gtctttttag ttttggcttt ttattgtttt gttggtgatt ttactgaaat 2100
aaagttgage tacttettet taaaatagga agteggagga agaaggacta accageteec 2160
tggagtatag aggaatatgc tttccctgtc atgccaccag gggctatatg tgccaccttt 2220
aggittggg ccaaggaagt gatticaatg tgacaccgg gagattitga cotccaagc 2280
tcagccgcc gttccattgt ggcacatgtt tcaatctga tgttgtttgc cttagctgtg 2340
gtcggaatag cttcattggg tggtaccgtt gttatcaggt gtaccgaagc agtttttgc 2400
taggitttaa ggctttgct ttcgtttgtc attagaggat ttctaacgaag atcatccagg 2460
agteeggttt tetttgecag ttegagaace gataateatt taacgagttt etatggtaag 2520
gttagggge ctgatgtata ttateteant atecagtgee taggttaaa taceggttet 2580
gegattataa atgggaaaag ggettttt
<210> 192
<211> 5079
<212> DNA
<213> Homo sapiens
<221> misc_feature
<223> Incyte ID No: 399658.1
<221> unsure
<222> 130-151, 4930, 4977, 5068, 5076
<223> a, t, c, q, or other
<400> 192
etggageage etetggeage ageggggaga atgggagtge ggggegeeag acegegggg 60
ggtgtcacgg ccgccacgaa gcctgcgagg cgcggggccg gcgcccgcgg cttttaaacc 120
egggaaggen nnnnnnnnn nnnnnnnnn ngeagatege ggegegeace aggegeeggg 180
geggeggeeg aatggagaga aagggetegg eggeegggge caaggggaac eegageeetg 240
cccgcggccg gagagggca gcggccaccg ccgccgctgt gcgtcccggg cggcggcgga 300
ggagccccag cgaggggcca ggtcggggcg gcggccgagc cggccgagct catccgacga 360
gcgcacgagt tcaaaagcca aggggcgcag tgctacaagg acaagaaatt ccgtgaagcc 420
ataggcaaat accaccgggc gttgctggag ctgaaggggc tgctgccgcc ccccggggaa 480
egggageggg actegegeg ggetteeeg getggggee tgaageeegg eegeeteteg 540
gaggagcaga gcaagacggt ggaagccatc gagatcgact gttacaacag cctggcagcc 600
tgcctgctcc aggctgagct ggtaaactat gaacgagtca aggaatattg cctcaaagtc 660
ttgaagaagg aaggggagaa cttcaaggcc ctttaccggt ctggtgtggc cttctaccac 720
cttggggact atgacaaagc actctactac ctgaaagaag caaggacca acaaccaaca 780
gacaccaacg tgatteggta tatecagetg acggagatga aactcagecg atgeteccag 840
agagaaaaag aagecatgta accaggaage agetecagag etgegeceae geetgacegg 900
agagamanang anglotangta actuagango englotagan thetytocot typeros gyacticoag graticoag graticoag gratigango coglociga thetytocot thetococae 960 thethetygo tecteathth tecteotyft geaceceage tethtytete eleceaytan 1020 gamanaggan gatycamant tygamatetyg taggtegee agacatega gacatecte 1080 ectetageag gteageaget gagagyggee tgaethetyg tyggacaget gagagaggag 1140
ctcatggget gggatgetgt tgtggetttg actttggeca gtgettetga cagaggegga 1200
gcctggcaag tgtaccatcc cacaggcagc aggcacacag cccatgggct ggatccttcc 1260
acaettteet gacagaccag aaccagagca tetegaggca actgttagaa atecagggac 1320
qaqacaaaca qaqaaqeqet qqtqaaqeca acataqaqac tqtcaatqtq tacactqqaq 1380
tteccaccec cacceccac cegtcactta geccetgeet cettecccca etegttgtet 1440
tggettgtgc ttteteetet ceceateggg gateegagae tetgeeagga tteacatgce 1500
actgaagece acteagtgee etetggtgae cacacatace attececegg acteceace 1560
ageaggeage tgtgacegea gaagggeagg atgaagtggg ceaaggtttg ggacaggttg 1620
actgtgtagg tgacagggag ggaaagatga tggccagggg aaagagcatc gtataggcta 1680
ggggattgaa ctgtggactg attcagtgta aataaaaaca aattaacagg tagtagttcc 1740
tgtcagttct gttggaagca gcccactccc tcacttttac tccttcctcc aaccctcaat 1800
cagagetact tacagecagg caggatgggg etttececaa ageaattgge egtttgteea 1860
gtggcagaca atggtggcta cagcetttqt gettttaaga gtgggetggg attgtggaga 1920
```

```
ctgcccaggg gcttggcttt gtcagaactt gtacaatctt cttttgatga aattatctga 1980
actcaacatc tagcacatag aatgtgttca acaaatgctt gttgaatgaa taaattatga 2040
ctgcagactg gototoctgc ottaaactaa tttcatccca goctagtete ctgatgtotg 2100
tgctcgttat gctatgccat gttgcttcag tcaaacaaga aacacttact gagggcatat 2160
totttoccca tcattotoca atatoctoto ggacatogga totoctca gtcttcaago 2220
aaatggaagg gttaagaaat gcatatgaga ttattaccaa tgacaccttt aatttatatg 2280
atgetttaaa attateagag caettteatg tatttttegt gtgactagtg aaaaagacaa 2340
tgttgtacaa aattaaaata tatacagatg caataatgtg aatagttagg atttattaaa 2400
tgcattatet tcagatettt acatetgtat aateteattt ettteatgca gttaetetgg 2460
gatactgttc ccatttgatg ggtaagaata ttgaaaacca gaaaaattaa ttatcccaag 2520
gttgcatggc ctttagtggc atagctagga tttgaaccag gcctgcctga ctccagagct 2580
ctggctagta tetatgctat acttagttgc ctctctgtaa gtataatatt gggcaattat 2640
aaccatttga gaacaggaca atatgtatta acctgaaaag tgttcatgat gtcagtgata 2700
gtacatggce teettatgta tttacteaag ggceceaaaa gaceagagge cagaateeet 2760
agtagteaga geagtgacag gteagaaaaa ggeagetgaag gteeaatagt tatgtetgtg 2820
tattgeteat tetacttact gatggageca geatgtatet caacaactea eetageatte 2880
atcacccatc cccagcattg ggaaagggtc acaattaaga ccgaaaggaa acacaaagtt 2940
anatatqqqt taattatqta aqcaqatqcc ccaccacqqc aqqatccaat cacaqccqaq 3000
gggcccagaa gagagcagcg taagttatat tcacatagtt ccccaaaggc tttcaacggg 3060
ggctacagga aggtgctaga aatattgagg ggcctgccat tactcaccta gagctcactc 3120
totggagaag aggaaaagga agaagctatt tocgctgcca cattctcccc aatccctact 3180
atattatget gtettteete tteeteetag etggetttae atgaccetaa eccaaaacta 3240
ccctatggcc ccacacggga atgtgttcaa acgccccgac ccccaccccc acccccattc 3300
ccaagectee aacttagaac gtttgtgatt tggcagatgg tttgttagga tetgaaggat 3360
gaagagaagg gtagaggtea eetggagaat gagtteaaac tgecagggte tteettiggt 3420
etttgtgegt oaggaaggae teegagtaat tatteeetat geagagacag gagagaggte 3480
ttgtttaeat gagtgtgetg gggeaggget ggacaateca ggatatgatt gtagecatec 3450
catgtagaaa gatcaaaaac cagaacgaaa tgaagacagc ctctcagaac ctcatagaac 3600
aagogtocag gtcatctgct tgtttggtga cttagatata caggettact ggaactccat 3660
teaetytgae etgaagttaa ataateesa agagamamag etaeetyggg tattggttga 3720
tgittgggg gatagggetg aattitetgi jeattgtee aacaaagget tiagageaca 3780
aaaceaggit eatteteect aceamatett eagetteett eteetoatee eteeceamaa 3780
caagaactgt gatttaattc cgtacgttgc ggatgtcact gctgacctat gtagctggag 3900
tactaatcag gcatctgacc tgcactgtca tcccctgcct ggacttttgc gatggactct 3960
ttgggggaaa aactaacgct ttttaattat tgtgaaagca tcatgtgtgt attgtagaag 4020
ttttaggaaa aaaaggacaa aatccaatcc ataagcttac cacccaagac aaacgtgtat 4080
tettttgaat atacetttta gttetttttg gtgtaaatgt acacacgcae acacacttgt 4140
ggattttttt aaacaaaac tggatacact gaatatactc tttaataact tttcaagtgt 4200
gtatttatat tttagaatat gtaateetae acagatacaa aatteaaaaa gtacaaactg 4260
ctctgtagtc agaagtaaat cttctcccta ccccgtctgc cagcatctag tttccctcta 4320
atttattttg catcctagtg gagatgctta cacattgtca aacatatgta tatattcttt 4380
tatcacacac aaatggcagc atattggaca ctttttgttt tttgctcctt ctgttccttc 4440
acttaataat atcacgaaca ttttcggcat atcaaacttt ctcaacagca tcttcattgt 4500
atggatggac cettttttta teateaatee teaaatagtg attattteat ttgtteeeaa 4560
tottcattgt aaatagtgtt gcaactgaca ttottgtagc taaattttgc acatgtctat 4620
aacgatttce ttaggataaa etecaagaag agaettgett ggetatttt aagaattttg 4680 atacatgttg ceaaceacce tecagaaagt ttgtaccaaa acgeteteet atttggatee 4740
tagagagtac cotgtttoot goaccotaac actaggtato atcacttato aaatotttoo 4800
caatttggta getgggataa tagtatgtea atgttatttt aaetttettt gattettege 4860
gaataacatt ttccatatgt cttattgacc atttgtactt ctttctttgt gaattttcta 4920
tttatttgan attggtatgt ttattatcaa tttgtaattt tattaagaat attattnttg 4980
tcaagaaatg ctgcaaatat getttccaag tgetttgett tcaaattttg tttatggtge 5040
tttttgacat acataaattc gtaattcngc aattanaaa
<210> 193
<211> 4698
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incvte ID No: 474913.3
<221> unsure
<222> 4633
<223> a, t, c, g, or other
```

<400> 193						
	cgcatgaggg	dagt eddede	gegtgtetae	acadacacac	conctanget	60
acttetacea	ccgccggccg	cctgggacct	tacaataaaa	ctacacaaaa	ccdaddccdc	120
ctccgagcgc	caggtttatt	cartcaccat	gaagetgetg	ctactacacc	concetteea	180
gagetgeete	ctgctgaccc	tacttaactt	atogagaacc	accectgagg	ctcacgette	240
atccctgggt	gcaccageta	teagegetge	ctccttccta	caggatetaa	tacatcoota	300
	gacagcctca					
	cggggtaatg					
ctttagttct	ggagacetet	teactgeeca	caatttcagc	gaggagt.cgg	ggattgggag	480
cagcgagete	caggagttct	occcaccat	cctccagcag	ctggattccc	gggcctgcac	540
	caggaaaacg					
	ggatacggtc					
	gtgcccttca					
	attggaaccc					
tootttcaac	cctctggaag	attattatot	ctccaagtct	gcagtggtgt	ttaaaaaactt	840
	tttttcacag					
	cacagccatt					
	gagaagetge					
	gacggcaagg					
	ctgcaggctt					
	actctggcct					
tagectagec	ateggtgett	ccttcactqt	gtcagttttc	caaggcatca	gcacctcggt	1260
ggccatcctc	tgtgaggagt	teccacatga	gctaggagac	tttgtcatcc	tgctcaacgc	1320
tgggatgage	atccaacaag	ctctcttctt	caacttcctt	tetgeetget	gctgctacct	1380
	tttggcatcc					
	atgttcttgt					
ctgtcaagag	gatgaaagga	agggcagcat	cttgattcca	tttatcatcc	agaacctggg	1560
	ggattcacca					
	tctgccaaga					
	gacttaccat					
acacagactg	tattcctgca	ttcaaatgtc	agccgtttgt	aaaatgctgt	atcctaggaa	1800
taagetgeee	tggtaaccag	tctctagcta	gtgcctcttg	ccctctcctc	acctcctttt	1860
ctctcagtga	ctctggaacc	tgaatgcagc	ttacaagaca	agcetgaett	ttttctctga	1920
ttaccttggc	ctcctcttgg	aaccagtgct	gaaaggtttt	gaatccttta	cccaacaatg	1980
	gccaatggtt					
	actctagctg					
gacaggaagc	cttcccattt	tttcaaagtc	tgtttaattg	cctattactt	ctctcaaaga	2160
gaacctgaag	tcagaacaca	tgagcagggt	gagaggtgag	gcaaggttca	tcctgaatgg	2220
	cgaaccactg					
	tgattttgta					
tggcggtgtg	gctgcctgga	cctcctctt	caggttaacg	ctgacagaat	ggaggctcag	2400
getgtetgea	agaaaacagt	tggtttggct	gtgattttga	cctcctcttc	cccactgcca	2460
tettetaaga	gactttgtag	etgeeteeta	gaagcacatt	ctgagcacat	ttgagacete	2520
	gggagactgc					
	tgtagaaatg					
	tgcaggcaaa					
	ctgaaatgta					
	ctaatgatta					
tteettgeaa	aaaaagtcga	accetgeatt	gaactgaata	tgaatttete	taactctctc	2880
cagaaaatgg	atggagataa	cttgtcttta	aaactgtagg	ccagccttag	ccactgtgga	2940
	ccgagetetg					
	tatcatattg					
	tttcttagtg					
	atggctgaca					
	ctgtccgctc tgtcaaacca					3240
						3360
	ttttaagttt					
	gggaaaattt					
apottetes	gattatggtc	ttattattat	ttttaaac	ttatttatat	tttatattt	3540
attited	attgtcatta agctgctttc	ccattgttgt	cccaaacgg	tannetten	a country and a	2500
accepted	ttaacctaac	toggattest	ayaaaa.dac	tataatttta	deattocca	3660
	catteettaa					
attactecet	ttctagttta	datagrace	trassactat	paytayaata	apattmass	3780
atraaatarr	gtgttttccc	tttttatas	cacctatat	accttaacaa	attteettee	3840
	gcctcaaagg					
tantengage	ttaggagggg	consoscet	cacategea	racttracte	aggicagicc	3960
cas coggage		oggagacgee	caoaccycoc	gassigages	goodstydet	3200

```
gtggcaacag ctttgcctca tgagtcaaaa attggcaatt tcttttgatt tttagttgtt 4020
qualitigety titicaagcat tiqtacatat taqaaqteta aqqaqtaqca aqtcaqtqqq 4080
aggactitti caccectoge attageaget tegaceteat titecagatg caccagetee 4140
tattaataag ttagcaagga aagtgtatgt cacgtgcagg aacagtgagg cagggacagg 4200
ggttetgete etteteaett caccacegge acacagettg eccetgtett tgececcaaa 4260
ggtattitgt gtetagtgte aaattggage tattetteae tggteettaa cettgggttt 4320
taaaaagaag gettetetgt tigggtager taagagetga giatagtaag teetetteea 4380
aagagtagega tatatgetg caatetaett taaaacaaag tigtetgatt titgeaagat 4440
aagtaaggat titatigetg te tiatiteeet tiaeagtiet geagiteest eacagtatit 440
ttttaaataa ctcaggtgta tgagaagaaa ttagaaaaga aaattaactt atgtggactg 4560
taaatgtttt atttgtaaga tictataaat aaagctatat tetgtaaaaa tgaaacgaaa 4620
taaaatcagc atntaatggt atgaatttcc ctttaatcac tgagtcccac acatttttat 4680
atcaattcaa aatatttt
<210> 194
<211> 1301
<212> DNA
<213> Homo sapiens
<221> misc feature
<223> Incyte ID No: 199898.3
<221> unsure
<222> 19
<223> a, t, c, g, or other
ctggctctga ccgcgctonc ctgggcccga gagcccagga ggcgtgtctc agagaaaaga 60
tataagegge ecceggaege taaageggtg ecageggegg agtetecaac tgggagaget 120
geagetggee egaqaqqaqq aqaacqetqa qqteqqteqq accaacqqae qeqetqaeeq 180
ctgccaactg gcagetgcgc gctgccttcc tgctcgcgcc gtgccactaa ggtcactccc 240
geeteegaga geeeagagee gagatggaaa eggteeagga getgateeee etggeeaagg 300
agatgatgge eegaaaggee aaggggaaga tggtgaaget taacgtgetg ggeageegg 360
etggeeetet teggeetggt geteggeetg atggaagaetg tgtgeagee etteaggee 420
gecagaegte tgegggaeca ggaggeagee gtggeggage tgeaggeege cetggagega 480
caggetetee agaageaage eetgeaggag aaaggeaage ageaggacae ggteetegge 540
ggeegggeee tgtecaaeeg geageaegee teetaggaae tgtgggagae cageggagtg 600
ggagggagac gcagtagaca gagacagacc gagaaggaag ggagagacag agggggcgcg 660
cgcacaggag cetgacteeg etgggagagt geaggageae gtgetgtttt ttatttggae 720
ttaacttcag agaaaccgct gacatctaga actgacctac cacaagcatc caccaaagga 780
gtttgggatt gagtttiget getgtgeage actgeattgt eatgaeattt ceaacactgt 840
gtaattate taaatgegte taecatttig eactagggag gaaggataaa tgettittat 900
gttattatta ttaattatta eaatgaecae eatttigeat titgaaataa aaaacttitt 960
ataccatate teatgtaatt eetgagaggt gtggtgteet ggggtgggaa geagggagg 1020
tgageaggtg ggegatggtg atgggttett acetgageae tgeagaggga geagetteet 1080
gagggtcaga cacttgcttc acacctagga acagtatcag agggacacaa ttgaagtgtt 1140
teetteagag ceagtgttte tetttggggt ttgtgtgagt teaccagagt eggaagttge 1200
caacttteet totgettoac ttcaaactec ttgaaagcag acaccacata ttagtgagge 1260
tttgtattcc cagegeetgt aateceatet acteaggagg c
<210> 195
<211> 2496
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 253550.14
<400> 195
gegageactg eggetgggeg etgaggatea geegetteet geetggatte caeagetteg 60
egeogtgtac tgtegeecca tecetgegeg eccagectge caaggeageg tgceceggtt 120
geaggegtea tgeageggge gegaceeaeg etetgggeeg etgegetgae tetgetggtg 180
ctgeteegeg ggeegeeggt ggegeggget ggegegaget eggggggett gggteeegtg 240
gtgcgctgcg agccgtgcga cgcgcgtgca ctggcccagt gcgcgcctcc gcccgccgtg 300
```

```
tgegeggage tggtgegega geegggetge ggetgetgee tgaegtgege actgagegag 360
ggccagccgt geggcatcta cacegagege tgtggeteeg geettegetg ccageegteg 420
cccgacgagg cgcgaccgct gcaggcgctg ctggacggcc gcgggctctg cgtcaacgct 480
agtgeegtea geegeetgeg egeetacetg etgeeagege egeeagetee aggaaatget 540
agtgagtegg aggaagaeeg eagegeegge agtgtggaga geeegteegt etceageaeg 600
cacegogtgt ctgateccaa gttecacece ctccattcaa agataatcat catcaagaaa 660
gggcatgcta aagacagcca gcgctacaaa gttgactacg agtctcagag cacagatace 720
cagaacttet ceteegagte caagegggag acagaatatg gteeetgeeg tagagaaatg 780
gaagacacac tgaatcacct gaagtteete aatgtgetga gteecagggg tgtacacatt 840
cccaactgtg acaagaaggg attitataag aaaaagcagt gtcgcccttc caaaggcagg 900
aagegggget tetgetggtg tgtggataag tatgggeage eteteecagg etacaccace 960
aaggggaagg aggacgtgca ctgctacagc atgcagagca agtagacgcc tgccgcaagg 1020
ttaatgtgga geleaaatat geettattit geacaaaaga etgeeaagga eatgaceage 1080
agetggetae ageetegatt tatattietg titgtggtga aetgattitt titaaaceaa 1140
agtttagaaa gaggtttttg aaatgcctat ggtttctttg aatggtaaac ttgagcatct 1200
tttcactttc cagtagtcag caaagagcag tttgaatttt cttgtcgctt cctatcaaaa 1260
tattcagaga ctcgagcaca gcacccagac ttcatgcgcc cgtggaatgc tcaccacatg 1320
ttggtcgaag cggccgacca ctgactttgt gacttaggcg gctgtgttgc ctatgtagag 1380
aacacgette acceccacte ecegtacagt gegeacagge titategaga ataggaaaac 1440
otttbaaccc ogtcatccg gacatoccaa gycatgotcc tygagotca acaydaact 1920
ogtgtcattt otgaaacaa gycatgotca otcaaccaa gaagaatgtt tatgtotca 1560
agtgscott actycttygg gactattyga gaaaattaag tygagotccta ottgtttaaa 1620
amatatgtat ctaagaatgt tctagggcac tctgggaacc tataaaggca ggtatttcgg 1680
geoctectet teaggaatet teetgaagae atggeecagt egaaggeeca ggatggettt 1740
tgctgcggcc ccgtggggta ggagggacag agagacaggg agagtcagcc tccacattca 1800
gaggcatcac aagtaatggc acaattette ggatgactge agaaaatagt gttttgtagt 1860
teaacaacte aagacgaage ttatttetga ggataagete tttaaaaggca aagetttatt 1920
ttcatctctc atctttgtc ctccttagca caatgtaaaa aagaatagta atatcagaac 1980
aggaaggagg aatggettge tggggageec atecaggaca etgggageac atagagatte 2040
acccatgttt gttgaactta gagtcattct catgcttttc tttataattc acacatatat 2100
gcagagaaga tatgttcttg ttaacattgt atacaacata gccccaaata tagtaagatc 2160
tatactagat aatcctagat gaaatgttag agatgctatt tgatacaact gtggccatga 2220
ctgaggaaag gageteaege ceagagaetg ggetgetete eeggaggeea aacecaagaa 2280
ggtetggeaa agteaggete agggagaete tgeeetgetg eagacetegg tgtggacaca 2340
egetgeatag ageteleett gaaaacagag gggteteaag acattetgee tacelattag 2400
ettitettta tittittaac tittiggggg gaaaagtatt titgagaagt tigtettgea 2460
atgtatitat aaatagtaaa taaagtitti accatt 2496
<210> 196
<211> 4324
<212> DNA
<213> Homo sapiens
<221> misc_feature
<223> Incvte ID No: 331597.2
<221> unsure
<222> 4073, 4082
<223> a, t, c, g, or other
<400> 196
attggaagaa gaagcatagt atagaagaaa ggcaaacaca acacattcaa cctctgccac 60
catggggaac tgggctgtga atgaggggct ctccattttt gtcattctgg tttggctggg 120
gttgaacgtc ttcctctttg tctggtatta ccgggtttat gatattccac ctaagttctt 180
ttacacaaga aaacttettg ggteageact ggeactggee agggeeeetg cageetgeet 240
gaattteaac tgcatgctga tteetettgee agtetgtega aatetgetgt eefteeteag 300
gepteesgt gegtgetget eaacaagagt tegaagaeaa etggaeagga ateteacett 360
teataaaaatg gtggeatgga tgattgeact teaetetgeg atteaacaca ttgeacatet 420
atttaatgtg gaatggtgtg tgaatgeeeg agteaataat tetgateett atteagtage 480
actetetgaa ettggagaca ggcaaaatga aagttatete aattttgete gaaaggaaat 540
aaagaaccct gaaggaggcc tgtacctggc tgtgaccctg ttggcaggca tcactggagt 600
tgtcatcacg ctgtgcctca tattaattat cacttcctcc accaaaacca tccggaggtc 660
ttactttgaa gtcttttggt acacacatca tctctttgtg atcttcttca ttggccttgc 720
catccatgga gctgaacgaa ttgtacgtgg gcagaccgca gagagtttgg ctgtgcataa 780
tataacagtt tgtgaacaaa aaatetcaga atggggaaaa ataaaggaat gcccaatccc 840
```

						000
					tgtttctgta	
					tcaccaaggt	
					tcaaaatgga	
					ggcacccttt	
					tegttgggga	
					aagatgcgtg	
					atgtgttcag	
					catccattct	
					aaaagatcta	
cttctactgg	ctgtgccggg	acacacatgc	ctttgagtgg	tttgcagatc	tgctgcaact	1440
gctggagage	cagatgcagg	aaaggaacaa	tgccggcttc	ctcagctaca	acatctacct	1500
cactagetga	gatgagtete	aggccaatca	ctttactata	caccatgatg	aggagaaaga	1560
					ataatgaatt	
					gtggacctga	
					gccctcgggg	
					ggaaataaat	
					cccctgctt	
					gtcaaagatt	
					acttttacaa	
					agattcttgg ctaagattat	
gaaactgtga	ccagatctag	cccatcttac	tecaggitig	atactettte	cacaatactg	2T00
					ggaaaccaag	
					tactgaagga	
					tagtagtgac	
					ggccagatgt	
					atttaccact	
gtgcttggca	gagagcggat	actcaagtaa	gttttgttaa	atgaatgaat	gaatttagaa	2520
					taaagaaata	
					gaacaggcta	
					aagcatgaaa	
aaagagggtt	ggaggtggag	aattaacctc	ctgccatgac	tctggctcat	ctagtcctgc	2760
					tetecageta	
gcccttatga	atattgaact	taggaattgt	gacaaatatg	tatctgatat	ggtcatttgt	2880
tttaaataac	acccacccct	tattttccgt	aaatacacac	acaaaatgga	tcgcatctgt	2940
					caacccagaa	
acaaaaatct	ctatacagag	atcaaattca	cactcaatag	tatottctoa	atatatgttc	3060
					ttttgttctt	
					cttggagcca	
					ctgggggaag	
					gagagtgaga	
					gtcattccct	
					atacacatat	
					aaattttgat	
actaraaaaa	attattanca	acggtaccga	gangtanata	acceggecac	tgttctttgt	3510
					gtctgacaaa	
taaggeetge	tgtgcgaata	tagcetttet	gaaatgtacc	aggatggttt	ctgcttagag	3000
acacttaggt	ccagcctgtt	cacactgcac	ctcaggtatc	aattcatcta	ttcaacagat	3720
					ttacaccaaa	
					cctttctaac	
					ccaaggtttt	
					tatccagtta	
					tttattctct	
					ttntttttt	
					atgatgaagc	
					tgcaattgtg	
					gggacctggg	
					atgagettte	
ttta	2235		, ,			4324
- 0						

<210> 197 <211> 815 <212> DNA <213> Homo sapiens <220>

<221> misc_feature

```
<223> Incyte ID No: 997377.1
<400> 197
qtttetgeat qqccaaqaqc caqaccetec etetqqqete tqctqqccca acceacaaq 60
ggatgettta tttaaacagt tecaagtagg ggagaccage tgeccetgaa ceccagaaca 120
accagetgga teagttetea caggagetae agegeggaga etgggaaaca tggttecaaa 180
actyftcaet teceaaattt gtetgettet tetgttgggg ettetggetg tggagggete 240
actocatgto aaacotocac agtttacotg ggotoaatgg titgaaacoc agcacatcaa 300
tatgacotoc oagcaatgca coaatgcaat goggogaatit aacaattate gatggogitg 360
caaaaacoca aatacitito tiogiacaac titigolaat giaqitaatg titgiggtaa 420
ccaaagtata cgctgccctc ataacagaac tctcaacaat tgtcatcgga gtagattccg 480
ggtgccttta ctccactgtg acctcataaa tccaggtgca cagaatattt caaactgcac 540
gtatgeagac agaccaggaa ggaggtteta tgtagttgea tgtgacaaca qagatccacq 600
ggatteteca eggtateetg tggtteeagt teacetggat accaecatet aageteetgt 660
atcagcacte etcatcatca etcatetgge caageteett caatcattag ccaaagatee 720
caatccctcc atgtaactct ggggtatcag caactgtcct catcagtctc catacccctt 780
cagettteet gagetgaagt ceettgtgaa ceetg
<210> 198
<211> 902
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incvte ID No: 042869.3
<221> unsure
<222> 887
<223> a, t, c, g, or other
ggcagcettt caggaaagat gcagccacte etgettetge tgggcettte tectacceae 60
teggggetgag geaggggaga teatecggag geogggagag eaggeceae tecegeeeet 120
acatggegta tetteagate eagagteeag eaggteagag eagatgtgga gggtteetgg 180
tgcgagaaga ctttgtgctg acagcagctc attgctgggg aagcaatata aatgtcaccc 240
toggegecca castatecag agacggaaa acaccaagca acacateact gegegeagag 300
ccatcegcca ccctcaatat aatcagegga ccatccagaa tgacatcatg ttattgcage 360
tgagcagaag agtcagacgg aatcgaaacg tgaaccagt ggctctgcct agagcccagg 420
agggactgag accgggacg ctgtgcactg tggccggctg gggcagggt agcatgagga 420
ggggaacaga tacactccga gaggtgcagc tgagagtgca gagggatagg cagtgcctcc 540
gcatcttcgg ttcctacgac ccccgaaggc agatttgtgt gggggaccgg cgggaacgga 600
aggetgeett caagggggat teeggaggee eectgetgtg taacaatgtg geecaeggca 660
togtotocta tggaaagtog toaggggtto otocagaagt ottoacoagg gtotoaagtt 720 tootgoootg gataaggaca acaatgagaa gottoaaact gotggatoag atggagacoc 780
ccctgtgact gactettett ctcggggaca caggccaget ccacagtgtt gccagagect 840
taataaacgt ccacagagta taaataacca attecteatt tgtteantaa acgteattea 900
at
<210> 199
<211> 1755
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incvte ID No: 248306.1
<220>
<221> unsure
<222> 1751-1752
<223> a, t, c, g, or other
<400> 199
cacactgacg aggreatgat tgaatttagg tgacctatag acgcgctgta actacgctcg 60
quattegget egaggteace tecteceett gtegeetagg tecaceegag ceceeteece 120
```

```
egggeegeee acgageaega agttggeggg ageetataaa agetggtgee ggegegaeee 180
goggacacac agtgcaggeg eccaageege egeogecaga teggtgcega tteetgeeet 240
gccccgaccg ccagcgcgac catgtcccat cactgggggt acggcaaaca caacggacct 300
gagcactggc ataaggactt coccattgcc aagggagage gccagtcccc tgttgacatc 360
gacactcata cagccaagta tgaccettcc ctgaagcccc tgtctgtttc ctatgatcaa 420
gcaacttece tgaggateet caacaatggt catgetttea acgtggagtt tgatgactet 480
caggacaaag cagtgetcaa gggaggaccc ctggatggca cttacagatt gattcagttt 540
cacttteact ggggtteact tgatggacaa ggtteagage atactgtgga taaaaagaaa 600
tatgotgoag aacttcactt ggttcactgg aacaccaaat atgggggattt tgggaaaget 660
gtgcagcaac ctgatggact ggccgttcta ggtatttttt tgaaggttgg cagcgctaaa 720
ecgggeette agaaagttgt tgatgtgetg gattecatta aaacaaaggg caagagtget 780
gacticacta acticgatee togtggcete ettectgaat ceetggatta etggacetae 840
caggitaa tgaccaccec tectettetg gaatgitga eetggattut geteaggaa 900 eccateageg teagcagega geaggigttg aaatteegta aacttaaett caatggggag 960 ggigaacecg aagaactgat ggtggacaac tggegeceag eteagcact gaagaacagg 1020 eaaatcaaag etteetteaa ataagatggt eccatagtet gtatecaaat aatgaatett 1080
egggtgttte cetttageta agcacagate tacettggtg atttggacce tggttgettt 1140
gtgtctagtt ttctagaccc ttcatctctt acttgataga cttactaata aaatgtgaag 1200
actagaccaa ttgtcatgct tgacacaact gctgtggctg gttggtgctt tgtttatggt 1260
agtagttttt ctgtaacaca gaatatagga taagaaataa gaataaagta ccttgacttt 1320
gttcacagca tgtagggtga tgagcactca caattgttga ctaaaatgct gcttttaaaa 1380
cataggaaag tagaatggtt gagtgcaaat ccatagcaca agataaattg agctagttaa 1440
atgatttcaa gatgttatat taaagaaaaa ctttaaaaaat tattatatat ttatagcaaa 1560
gttatettaa atatgaatte tgttgtaatt taatgaettt tgaattacag agatataaat 1620
gaagtattat etgtaaaaat tgttataatt agagttgtga tacagagtat attteeatte 1680
agacaatata teataactta ataaatatto tattttagat atatteteta ataaaattea 1740
gaattetaaa nngga
<210> 200
<211> 3298
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 247220.15
<220>
<221> unsure
<222> 17, 1531, 1740-1765
<223> a, t, c, g, or other
<400> 200
cetgecteeg teegengeg ceaettegee tgeeteegte eegeegegee acttegeetg 60
cetegtece eegecegeeg egecatgeet giggeegget eggagetgee gegeeggeec 120
ttgccccccg ccgcacagga gcgggacgce gagccgcgtc cgccgcacgg ggagctgcag 180 tacctggggc agatccaaca catcetccgc tgcggcgtca ggaaggacga ccgcacgggc 240
accggcaccc tgteggtatt eggcatgeag gegegetaca geetgagaga tgaatteeet 300
ctgctgacaa ccaaacgtgt gttctggaag ggtgttttgg aggagttgct gtggtttatc 360
aagggatcca caaatgctaa agagctgtct tccaagggag tgaaaatctg ggatgccaat 420
ggatecegag aetittitgga eageetgga tteteeacea gagaagaagg ggaettggge 480
ecagittatig geteeacig gaggeatitt ggggeegaat acagagatat ggaatesagat 540
tatteaggae agggagttga ecaactgeaa agagtgatig acaccateaa aaceaacec 600
gacgacagaa gaatcatcat gtgcgcttgg aatccaagag atcttcctct gatggcgctg 660
cetecatgee atgecetetg ceagitetat giggigaaca gigagetgte etgecagetg 720
taccagagat cgggagacat gggcctcggt gtgcctttca acategccag ctacgccctg 780
ctcacqtaca tqattqcqca catcacqqqc ctqaaqccaq qtqaetttat acacactttq 840
ggagatgcac atatttacct gaatcacatc gagccactga aaattcagct tcagcgagaa 900 cccagacctt tcccaaagct caggattctt cgaaaagttg agaaaattga tgactcaaa 960
getgaagaet tteagattga agggtaeaat ceqeateeaa etattaaaat ggaaatqqet 1020
gtttagggtg ctttcaaagg agctcgaagg atattgtcag tctttagggg ttgggctgga 1080
tgccgaggta aaagttettt ttgctctaaa agaaaaagga actaggtcaa aaatctgtcc 1140
gtgacctatc agttattaat ttttaaggat gttgccactg gcaaatgtaa ctgtgccagt 1200
totttccata ataaaaggct ttgagttaac tcactgaggg tatctgacaa tgctgaggtt 1260
atgaacaaag tgaggagaat gaaatgtatg tgctcttagc aaaaacatgt atgtgcattt 1320
caatcccacq tacttataaa qaaqqttqqt qaatttcaca agctattttt qqaatatttt 1380
```

tagaatattt	taagaatttc	acaagctatt	ccctcaaatc	tgagggaggt	gagtaacacc	1440
atomatmatm	atatagaata	tggttatgaa	attteaaatt	atagttattt	tatatattaa	1500
		cattegteca				
Lycleagett	CLLCCLadaa	tagattaaag	aacteteett	aagtaaacat	gegeegeace	1020
ctggtttgga	tgetaettaa	aagagtatat	tttagaaata	atagtgaata	tattttgccc	1680
tatttttctc	attttaactg	catcttatcc	tcaaaatata	atgaccattt	aggatagagn	1740
nnnnnnnnn	nnnnnnnnn	nnnnnataac	cttaaagggt	tattttaaaa	taatctatgg	1800
actaccattt	ggccctcatt	agetteagea	toototoact	tctctaataa	tatocttaca	1860
		aaaccacttc				
		gggtgttgca				
		attattccaa				
agegeeadae	agaacaagga	tgccagccct	taagetacge	addatgttgt	ccaccccaa	2100
attacagttt	aatgtetagg	Lgecageeet	tgatataget	atttttgtaa	gaacateete	2100
etggaetttg	ggttagttaa	atctaaactt	atttaaggat	taagtaggat	aacgtgcatt	2160
		taataattac				
tagctgaact	catcttgatc	ggtaggattt	tttaaatcca	tttttgtaaa	actatttcca	2280
agaaatttta	agccctttca	cttcagaaag	aaaaaagttg	ttggggctga	gcacttaatt	2340
ttcttgagca	ggaaggagtt	tcttccaaac	ttcaccatct	ggatactggt	otttetttae	2400
		ttgagtagec				
		tgaaatgctc				
		gggcaatgat				
acttaaagca	gaaggagega	gtaccactca	attgacagtg	Liggiceaagg	cttagetgtg	2640
		agtecetaaa				
atatagcaat	gtgaggtggg	gactttgatg	acatgaacac	acgaagtccc	tctagaggtt	2760
ttgtggtgcc	ctttaaaagg	gatcaattca	gactctgtaa	atatccagaa	ttatttgggt	2820
tectetggte	aaaagtcaga	tgaatagatt	aaaatcacca	cattttgtga	tctatttttc	2880
		cacatggctg				
		ccattttgtc				
adcactatas	aactttataa	gtacactttg	tacctccas	acastacas	caratacata	3060
ageaeegega	tanagagaga	gggacacacc	enectoggada	acaacccgaa	caggiccacg	2120
		acaataaaat				
		tcagctatac				
gaatcaggtc	aatctgtgtt	caggttctgt	gttcctcgca	gtcgaagacc	gttgtata	3298
<210> 201 <211> 10281 <212> DNA <213> Homo						
<211> 10281 <212> DNA <213> Homo						
<211> 10281 <212> DNA <213> Homo <220>	sapiens					
<211> 10281 <212> DNA <213> Homo <220> <221> misc_	sapiens feature					
<211> 10281 <212> DNA <213> Homo <220> <221> misc_	sapiens	26662.3				
<211> 10281 <212> DNA <213> Homo <220> <221> misc_	sapiens feature	26662.3				
<211> 10281 <212> DNA <213> Homo <220> <221> misc_	sapiens feature	26662.3				
<211> 10281 <212> DNA <213> Homo <220> <221> misc_ <223> Incyt <400> 201	sapiens feature e ID No: 02		ttoaattaga	etetaggete	caccccccc	60
<pre><211> 10281 <212> DNA <213> Homo <220> <221> misc <223> Incyt <400> 201 attgggcacc</pre>	sapiens feature e ID No: 02	gcggggcagt	ttgaattaga	ctctgggctc	cagcccgccg	60 120
<211> 10281 <212> DNA <213> Homo <220> <221> misc_ <223> Incyt <400> 201 attgggcacc aagcgggcc	sapiens feature e ID No: 02 ggtggcggct agaactgtac	geggggeagt teteegagag	gtcgttttcc	cgtccccgag	agcaagttta	120
<211> 10281 <212> DNA <213> Homo <220> <221> misc_ <223> Incyt <400> 201 attgggcacc aagecgcgctttacaaatg	sapiens feature te ID No: 02 ggtggcggct agaactgtac ttggagtaat	gcggggcagt tctccgagag aaagaaggca	gtcgttttcc gaacaaaatg	cgtccccgag agctgggctt	agcaagttta tggaagaatg	120 180
<211> 10281 <212> DNA <213> Homo <220> <221> misc <223> Incyt <400> 201 attgggcacc aagccgccc tttacaaatg gaaagaaggg	feature Le ID No: 02 ggtggcggct agaactgtac ttggagtaat ctgcctacaa	geggggeagt teteegagag aaagaaggea gagetettea	gtcgttttcc gaacaaaatg gaaaattcaa	cgtccccgag agctgggctt gagcttgaag	agcaagttta tggaagaatg gacagcttga	120 180 240
<211> 10281 <212> DNA <213> Homo <220> <221> misc <223> Incyt <400> 201 attgggcacc aagccggcgc tttacaaatg gaaagaaggg caaactgaag	feature e ID No: 02 ggtggcggct agaactgtac ttggagtaat ctgcctacaa aaggaaaagc	geggggeagt teteegagag aaagaaggea gagetettea ageaaaggea	gtcgttttcc gaacaaaatg gaaaattcaa gtttcagctt	cgtccccgag agctgggctt gagcttgaag gacagtctcg	agcaagttta tggaagaatg gacagettga aggetgeget	120 180 240 300
<211> 10281 <212> DNA <213> Homo <220> <221> misc. <223> Incyt <400> 201 attgggcacc aagccgcgcc tttacaaatg gaaagaaggg caaactgaag gcagaagcaa	feature fe ID No: 0: ggtggcggct agaactgtac ttggagtaat ctgcctacaa aaggaaaagg aaacagaaagg	geggggeagt teteegagag aaagaaggea gagetettea ageaaaggea ttgaaaatga	gtcgttttcc gaacaaaatg gaaaattcaa gtttcagctt aaaaaccgag	cgtcccgag agctgggctt gagcttgaag gacagtctcg ggtacaaacc	agcaagttta tggaagaatg gacagcttga aggctgcgct tgaaaaggga	120 180 240 300 360
<211> 10281 <212> DNA <213> Homo <220> <221> misc_ <223> Incyt <400> 201 attgggcacc aagccgcgc tttacaaatg gaaagaaggg caaactgaag gcagaagaagga gcagaagaaga gcagaagaaga gaatcaaaga	sapiens feature te ID No: 0; ggtgggggt agaactgtac ttggagtaat ctgcctacaa aaggaaaagc aaacagaagg ttgatgaaa	geggggeagt teteegagag aaagaaggea gagetettea ageaaaggea ttgaaaatga tatgtgaaag	gtcgttttcc gaacaaaatg gaaaattcaa gtttcagctt aaaaaccgag tctggagaaa	cgtccccgag agctgggctt gagcttgaag gacagtctcg ggtacaaacc actaagcaga	agcaagttta tggaagaatg gacagcttga aggctgcgct tgaaaaggga agatttctca	120 180 240 300 360 420
<pre><211> 10281 <212> DNA <213> Homo <220> <221> misc <223> Incyt 4400> 201 attgggcac aagcegegce tttacaaatg gaaagaaggg gaaactgaagg caaactgaag gcagaagcaa gaatcaaaga ggagaagcaa gagatcaaaga ggagatcaaata ggagatcaaata ggagtacaata</pre>	sapiens feature e ID No: 0; ggtggcggct agaactgtac ttggagtaat ctgcctacaa aaggaaaagg aaacagaagg ttgatggaaa ttgatggaaa	geggggcagt teteegagag aaagaaggea gagetettea agcaaaggea ttgaaaatg tatgtgaaag cacaagtgaa	gtegttttee gaacaaaatg gaaaattcaa gttteagett aaaaacegag tetggagaaa ttteeaggaa	cgtccccgag agctgggctt gagcttgaag gacagtctcg ggtacaaacc actaagcaga ggacaactga	agcaagttta tggaagaatg gacagcttga aggetgeget tgaaaaggga agatttetea atteaggeaa	120 180 240 300 360 420 480
<pre><211> 10281 <212> DNA <213> Homo <220> <221> misc <223 Ineyt <400> 201 attgggaac taagceggc tttacaaatg gaaagaag gaagaagcaa gaatcaaag tgaaattcaa tgaacttcaa aaaacaaata</pre>	feature le ID No: 0; ggtgggggt agaactgtac ttggagtaat ttgagaaaagc aaacagaagg ttgatggaa gtcaaggagt	gcggggcagt tctccgagag aaagaaggca aagcatcttca agcaaaggca ttgaaaatga tatgtgaaag cacaagtgaa	gtegttttee gaacaaaatg gaaaattcaa gttteagett aaaaaccgag tetggagaaa tttecaggaa taaaaggtgt	cgtcccgag agctgggctt gagcttgaag gacagtctcg ggtacaaacc actaagcaga ggacaactga aaatctgagc	agcaagttta tggaagaatg gacagcttga aggetgeget tgaaaaggga agatttetea atteaggeaa ttgaaagaag	120 180 240 300 360 420 480 540
<pre><211> 10281 <212> NNA <213> Homo <220> <221> misc, <223> Incyt <400> 201 attgggcac attgggcac tttacaaatg gaaagtaagg caaactgaag gaagaagca gaatcaaaga tgaacttaaa aaaacaatta aagaacaaata caacaagact caaacaagct caaacaagct caaacaagct caaacaagct caacaagct caacaagcaagcaagcaagcaagcaagcaagcaagcaag</pre>	sapiens feature e ID No: 0; ggtggcgct agaactgtac ttggagtaat ctgctacaa aaggaaaagc aaacagaagg ttgatggaaa gtcaaggagt gaaaaactgg agaaaactg	gcggggcagt tctccgagag aaagaaggca gagctcttca agcaaaggca ttgaaaatga tatgtgaaag cacaagtgaa aacaggaact cagatgtctc	gtegttttee gaacaaaatg gaaaattcaa gttteagett aaaaacegag tetggagaaa ttteeaggaa taaaaggtgt tetgaateca	cgtccccgag agctgggctt gagcttgaag gacagtctcg ggtacaaacc actaagcaga ggacaactga gacaactga tgcaatacac	agcaagttta tggaagaatg gacagcttga aggetgeget tgaaaaggga agatttetea atteaggeaa ttgaaagaag cacaaaaaat	120 180 240 300 360 420 480 540 600
<pre><211> 10281 <212> DNA <2113> Homo <220> <2213 Incyt <400> 201 attuggeace aagcegegec tttacaaaty gaaagaagga gaagcaag gaatcaaag tgaacttcaa aaaacaaact ccacaagct ttttacaact ttttacaact</pre>	feature le ID No: 0; ggtggcgct agaactgtac ttggagtaat ttggagaaagc aaacagaagg ttgatggaaagc gtcaagaagg tgaaagagg cgcagtctg gccagtctg	gcggggcagt tctccgagag aaagaaggca tgagctcttca agcaaaggca tatgtgaaaag cacaagtgaa aacaggaact caagtgaata	gtegtttee gaacaaattea gtteagett aaaacegag tetggagaaa tteeaggaa taaaaggtgt tetgaateca tatagtggt	cgtccccgag agctgggctt gagcttgaag gacagtctcg ggtacaaacc actaagcaga ggacaactga aaatctgagc tgcaatacac tccaagtatg	agcaagttta tggaagaatg gacagcttga aggetgeget tgaaaaggga agattteta atteaggeaa ttgaaagaag cacaaaaaat aagatctaaa	120 180 240 300 360 420 480 540 600 660
<pre><211> 10281 <212> DNA <213> Homo <220> <221> misc, <223> Incyt <400> 201 attgggcac attgactgac gaagaagyg caaactgaag gcagaagcaa gaatcaaaga tgaacttaaa tgaacttaaa tgaactaaag tgaacttaaa tgaactaaag tgaacttaaa tgaacaattaaag tgaacttaaa aaaacaata tgaaaaaata taaaagaat tacaacaagc ttttacaact</pre>	feature In No: 07 ggtgggggt agaactytac ttggagtaat tcgctacaa aaggaaaagg aaacagaagg ttgatggaaa gtcaaggagt gaaaaactgg gagagatctg ccactaacac aataaagagg	gcggggcagt tctccgagag aaagaaggca agctcttca agcaaaggca ttgaaaatg cacaagtgaa aacaggaact cagatgtctc cagatgtctc cagatgaacg	gtegttttee gaacaaaatg gaaaatteaa gttteagett aaaaecgag tetggagaaa ttteeaggta taaaaggtgt tetgaateea ttatagtggt aaaaagattg	egtececgag agetgggett gagettgaag gacagteteg ggtacaaace agracaactga ggacaactga aaatetgage tgcaatacae tecaagtatg gaggcagagg	agcaagttta tggaagaatg gacagcttga aggctgcgct tgaaaaggga agatttctca attcaggcaa ttgaaagaag cacaaaaaat aagatctaaa ttaaagcctt	120 180 240 300 360 420 480 540 600 660 720
<pre><211> 10281 <212> DNA <213> Homo <220> <221> misc, <223> Incyt <400> 201 attgggcac attgactgac gaagaagyg caaactgaag gcagaagcaa gaatcaaaga tgaacttaaa tgaacttaaa tgaactaaag tgaacttaaa tgaactaaag tgaacttaaa tgaacaattaaag tgaacttaaa aaaacaata tgaaaaaata taaaagaat tacaacaagc ttttacaact</pre>	feature In No: 07 ggtgggggt agaactytac ttggagtaat tcgctacaa aaggaaaagg aaacagaagg ttgatggaaa gtcaaggagt gaaaaactgg gagagatctg ccactaacac aataaagagg	gcggggcagt tctccgagag aaagaaggca agctcttca agcaaaggca ttgaaaatg cacaagtgaa aacaggaact cagatgtctc cagatgtctc cagatgaacg	gtegttttee gaacaaaatg gaaaatteaa gttteagett aaaaecgag tetggagaaa ttteeaggta taaaaggtgt tetgaateea ttatagtggt aaaaagattg	egtececgag agetgggett gagettgaag gacagteteg ggtacaaace agracaactga ggacaactga aaatetgage tgcaatacae tecaagtatg gaggcagagg	agcaagttta tggaagaatg gacagcttga aggctgcgct tgaaaaggga agatttctca attcaggcaa ttgaaagaag cacaaaaaat aagatctaaa ttaaagcctt	120 180 240 300 360 420 480 540 600 660 720
<pre><211> 10281 <212> DNA <2113> Homo <220> <2213 Incyt <400> 201 attuggcacc aagcegegec tttacaaaty gaaaqaaggr caaactyaag gcagaaccaa gaatcaaag tgaacttcaa aaaacaagacttcaa caaacagct ttttacaact agaaaaatat ccaacaagct ttttacaact agaaaaaatat ccagctaaaa</pre>	feature In No: 0: ggtgggggt tggggtat tggggtaat ttggggtaat ttgtggtaat ttgatggaa ggaaaaggag ttgatggaa gtcaaggag ggaaaactgg ggcagttg ccactaacac aataaagagg	gcggggcagt totccgagag aaagaaggca gagctettea agcaaaggca ttgaaaatga cacaagtgaaat cacaagtgaact cagatgtotc caagtcaata ttgaagaacg agactettec	gtegtttcc gaacaaaatg gaaaattcaa gtttcagctt aaaaccgag tctggagaaa tctccaggaa taaaaggtgt tctgaatcca ttatagtgg aaaaagatta acaagccac	egtececgag agetggett gagettgaag gacagteteg ggtacaaacc actaagcaga agacatga aaatetgage tgcaatacac tecaagtatg gaggcagagg atgaatcac	agcaagttta tggaagaatg gacagcttga aggctgcgct tgaaaggga agatttctca attcaggcaa ttgaaagaag cacaaaaaat aagatctaaa ttaaagcctt gcgacattgc	120 180 240 300 360 420 480 540 600 660 720 780
<pre><211> 10281 <212> NNA <213> Homo <220> <221> misc <2221 misc <2221 misc <2221 moyt <400> 201 attgggacc aagcogggcc gaaactgaag gaaactgaag gcagaagca gaatcaaaga tgaactcaa aaaacaaatc tcaacaagc ttttacaact tttacaact agaaaaatat gcaggctaaa acggcataag caggcataag </pre>	feature e ID No: 02 ggtgggggt agaactgtac ttggagtaat ctgcctacaa aaggaaaagc aacagaagg ttgatggaaa gtcaaggagt gaaaaactgga gcgcagtctg ccactaacac acaaaaagag aataaagag	gcggggcagt totcogagag aaagaaggca gagctettca agcaaaggca ttgaaaatg tatgtgaaag cacaagtgaa aacaggaact cagattetc caagtcat ttgaagaacg agcelcttec ctgtyttctc	gtcgttttcc gaacaaaatg gaaaattcaa gtttcagctt aaaaaccgag tctgagaaa tttccaggaa tataaaggtgt tctgaatcca ttatagtggt aaaaagatta acaagccacc atggcagcaac	egtceecgag agetggett gagettgaag gacagteteg ggtacaaace actagagaa ggacaactga aaatctgage tgcaatacac tecaagtatg gaggagagg atgaatacac gagaagacc	agcaagttta tggaagaatg gacagcttga aggctgcgct tgaaaaggga agatttctca attcaggcaa ttgaaagaag cacaaaaaat aagatctaaa ttaaagcctt gcgacattgc caagtcatct	120 180 240 300 360 420 480 540 660 720 780 840
<pre><211> 10281 <212> DNA <213> Homo <220> <2213 Incyt <400> 201 attuggcacc aagcegegec tttacaaaty gaaaqaaggay caaactyaag gcagaaccaa gcagaaccaa gaatcaaat tgaacttcaa tcaacaagct ttttacaact agaaaaatat ccaacaagct ttttacaact agaaaaaacat ccagcatcag tgcagcatcag ttcatctaat</pre>	sapiens feature e ID No: 0; ggtgggggt tggggtat ctgctacaa aaggaaaagc aaacagaagg ttgatggaa gtcaagaagg ggcagtctg ccactaacac aataaagagg gccactacac cataaagagc gcttcatcat tctcaaaga	gcggggcagt tctccgagiag aaagaaggca gagctettea agcaaaggca ttgaaat acaagtgaat cacaagtgaat cagatgtctc cagatgtctc cagatgtctc cagatgtctc cagatcaata ttgaagaac agactettcc ctgtyttctc ctccaattag	gtogttttee gaacaaaat gaaaatteaa gttteagett aaaaacegag tetggagaaa tttecaggaa taaaaggtgt tetgaateca ttatagtggt aaaaagatta acaagecace atggcagcaa agaggattte	ogtcoccgag agctgggett gagcttgaag gacagtotcg ggtacaaacc actaagcaga ggacaactga aaatctgagc tgcaatacac tccaagtatg gaggcagagg atgaatcac gaggagagac tgcaatacac	agcaagttta tggaagaatg gacagcttga aggctgcgct tgaaaagga agatttctca attcagcaa ttgaaagaag cacaaaaaat aagatctaaa ttaaagcat gcgacattgc actttactc acttttctgg	120 180 240 360 420 480 540 660 720 780 840 900
<pre><211> 10281 <212> NNA <213> Homo <220> <221> misc <2221 misc <2221 misc <2223 Incyt </pre> <pre><400> 201 attgggcac aagcgggcc tttacaaatg gaatcaaaga gaatcaaaga gaatcaaaga tgaacttaa aaaacaaata tgaactaa tgaacaata tgaacaaga ttactaat tgaacaaga tgaacaaga tgaacaaga tgaacaaga </pre>	sapiens feature ie ID No: 0: gggggggct agaactgtac ttggagtaat ttgctacaa aaggaaaagg ttgatggaaa gtcaaggagt ggaaaactgtac aacagaagg tgatggaaa ggcaggtctg cactaacac aataaagag aaggaagca gcttcatacat tctcaaagaa gtgatcaaagag agtgatctcaaagag agtgatctcaaagag agtgatcaaagga	geggggagt tategagag aagaaagga agcatettea agcaaaggca ttgaaaatga tatgtgaaag cacaagtgaa caagtgaact cagatetaata ttgaagaacg agactettec ctgtgttete ctccaattag gtcgatcaata	gtcgttttc gaacaaatg gaaaattcaa gtttoagctt aaaaaccgag tctggagaaa tttcaggga taaaaggtgt tctgaatcca ttatagtggt aaaaagatta acaagccacc atggcagcaac gaggagtttc	cgtcccggag agctgggett gagcttgaay gacaattcg ggtacaaacc ggtacaacty aaatctgag tgcaatacac tccaagtatg gagcagagy adgacaagag adgacaacty ccaagtatc gagcagagy cggaagagacc tctcggcatct	agcaagttta tggaagaatg gacagcttga aggotycgct tgaaaaggga agatttctca atcagcaa ttgaaagaag cacaaaaaaa taagatctaaa ttaaagcctt gcgacattgc cagtcattct agttcttctgg atgctaatag	120 180 240 300 360 420 480 540 660 720 780 840 960
<pre><211> 10281 <212> NNA <213> Homo <220> <221> misc <222> lattygreac <2232 Incyt dangergectttacaaatg gaaagaagg caaactgaag gcagaagga gcagaagca gratcaaaga typaacttaa aaaacaaatc tagg typaacttaa aaaacaaat cuttacaat gcagcatcaa gcacaaga gcagcatcaa gcagcatcaa gcagcatcaa gcagcatcaa gcagcatcaa gcacaaga gcagcatcaa gcagcatcaa gcagcatcaa gcagcatcaa gcagcatcaa gcacaaga gcagcacaa gcagcaca gcagcacaa gcagcacaa gcagcacaa gcagcacaa gcagcacaa gcagcacaa gcagcacaa gcagcacaa gcagcacaa gcagcaca gcag</pre>	sapiens feature to ID No: 0; ggtgggggt agaactgtac ttggagtaat ttggagaaagc aaacagaaga gtcaagaaagc gcactaacac aataaagag gaagacagc gcttcatcat tctcaaaga gtgactcaa gtgacactca gtgactcaa gtgactcaa gtgactcaa gtgacactcat gtgacactcaa gtgactcaag gacaatttta	gcggggcagt tctccgagag aaagaaggca gagctcttca agcaaaggca ttgaaaatga cacaagtgaa cacaagtgaac cagatgtctc cagatgtctc cagatgtctc cagatgtctc cagatgtctc cagatgtctc cagatgtctc cagatgtctc cagatgtctc cagatgtctc gagatcataa gtcgatcaac gtcgatcaac gcagtcctca	gtcgttttcg gaacaatg gaacattcaag gatttaggtt aaaaacgga tctggagaaa tttcaggta taaaaggtgt tctgaatcaa ttatagtggt aaaaggatt acaagcaac atggagaaatt tctggagata ttgtggt tatgggtgt tctgaatca tctgaatca tctgaatca tctgaatca tctgaatca tctttggaatta	cgtccccgag agctgggctt gagcttgaag gacagtctcg ggtacaaacc actaagcaga ggacaactga aaatctgagc tccaagtatg gaggcagaag atgaatcac gagagaacc tctgcatctt gaggcaaagg actgaatcac agagagaacc	agcaagttta tygaagaatg gacagcttga aggctgcgct tyaaaaggga agatttctca attcagcaaa ttgaaagaag cacaaaaaat taaagcttaaa ttaaagctt gcgacattgc caagtcattctcac ttttctgg atgctaatag cgcagaatca	120 180 240 360 420 480 540 660 720 780 840 960 1020
<pre><211> 10281 <212> NNA <213> Homo <220 <221> misc <2221 misc <2221 misc <2223 Incyt </pre> <pre><400> 201 attgggcac aagcegegec tttacaaatg gaatcaaatg gaatcaaaga gaatcaaaga gaatcaaaga caacttcaa aaaacaaata ccaacaagc tttacaact gaaaaatta gaagctaaa acggcataa ttcatctaat gaacagctaa tgaacaagaa acgttettta gaacaagaa agttettett gagacaaga agttetttt gagacaaga </pre>	sapiens feature for ID No: 0: ggtgggget agaactytac ttggagtat ttggagtat ttggagtat ttggagtat ttgagtgag	geggggeagt tetcegagag aaagaaggea agcataggea ttgaaaatga tatgtgaaag cacaagtgaa aacagggaact cagatcata ttgaagaacg agactettee ctccaattag gtegateata gtegateata agactettee ctccaattag gtegatcaac agactaaacg agtectaa atgagttetaaacg	gtcgttttcc gaacaaaatg gaaaattcaa gtttcagctt aaaaaccgag tctggagaaa tttcaggaa taaaaggtgt tctgaatcca ttatagtggt aaaaagstta acaagccac atggaacaca atggaacaca tttgcaagattt tttgcaat ttttgcaat tcttttggat	cgtccccgag agctgggett gagcttgaag gaoagtctcg ggtacaaacc actaagcaga aaatctgagc tgcaatacac tccaagtatg aggacaatacac gagaagaccc tctgcatcac tctgcacttacac gagaagaccc actacacc agaaagaccc actacacc agaaagacacc	agcaagttta tygaagaag gacagcttga aggctycgct tyaaaaggga agatttctca attcagcaat ttgaaagaag cacaaaaaa ttgaaagaag tcaaat ttgaaagcat tcaaa ttaaagccta tcaagtcatta tcaagtcattc caagtcattc actttctcgg atgctaatag cgcagatca aaaaagaat	120 180 240 360 420 480 540 660 720 780 840 960 1020 1080
<pre><211> 10281 <212> NNA <213> Homo <220> <221> misc <222> misc <223> Incyt <400> 201 attggcacc tttacaaatg graagdaggg caaactgaag graagdaggg caaactgaag graagdaggg caaactgaag tgaactaaag tgaactaaag tgaactaaag tgaactaaag tgaactaaag tgaactaaag tgaactaaag dagaactaaag dagaacaagag tttacaactaa graaacaagag tttatacaact graaacaagag ttatttaaaact graaacaagag ttatttta gaggacaaga agatttettt agagcaagag agaaggacaag agaagaag agaagaag agaagaag agaagaag agaaga</pre>	sapiens feature in ID No: 0; ggtgggggt agaactytac ttggagiaat ttgtagiaat ttgtagaa gttaaagag aaacagaag ttgatugaa gtcaacagag ttgatugaa ggagattig cacataacac aataaagag aagcaagc gcttaatcat tccaacag ttgatucaa gtgatucaa gtgatucaa gtgatucaa gtgatucaa gtgatucaa gtgatucaa gtgatucaa gagaattig gacaatttaa gagaattig	gcggggagt tctccgagag aaaqaagga aagacttca agcaaaggaa ttgaaaatga tatgtgaaag cacaagtgaa aacaggaact cagattact cagatcata ttgaagaacg agactcttcc ctgtyttctc ctccaatta gtcgatcata gtcgatcata ttgatcata ttgatcata ttgatcata ttgatcata	gtcgttttcc gaacaaaatg gaaaaatcaa gtttoagott aaaaccgag tctggagaaa tataagugt tctgaatca tatagtggt aaaagacac tatagtggt tatagaagatta acaagcaca atggagaatte tttgaaata tcttttggaa actagcacca catcagccca catcagccca ccaactccaa	cgtccccqag agctggactt agcttgaag gacagtetcag gacagtetcag gacaactga aaatctgaag agagaaagag atgaatcac tccaagtatg aggcaaagag atgaatcac tctgagaaagag acaattaaaag acaggaaagag caattaaaag caaggaaag	agcaagttta tygaagaatg gacagcttga aggcttgctga aggcttgctgca aggtttctca attcaggca ttgaaagaag cacaaaaat taagacttaa tagatctaaa acttttctgg atgctaatag cgcagaatca aaaaagaata	120 180 240 360 420 480 560 660 720 840 900 960 1020 1180
<pre><211> 10281 <212> NNA <213> Homo <220 <221> misc <2221 misc <2221 misc <223> Incyt </pre> <pre><400> 201 </pre> <pre>attgggcac </pre> <pre>aagagagggc </pre> <pre>caaactgaag </pre> <pre>gaaagaaggag </pre> <pre>caaactgaag </pre> <pre>gaaagaaggag </pre> <pre>caaactgaag </pre> <pre>gaaactgaag </pre> <pre>gaaactgaag </pre> <pre>caaactgaag </pre> <pre>caaactgaag </pre> <pre>caaactgaag </pre> <pre>caaactgaag </pre> <pre>cattactaat </pre> <pre>cagaaaatat </pre> <pre>cagaaaatat </pre> <pre>cagctaaag </pre> <pre>cagttctcta </pre> <pre><pre>cagaaagag </pre> <pre>cagttctcta </pre> <pre><pre>tagaagaagg </pre> <pre>cagttctaag </pre> <pre>gaagg </pre> <pre>caagg </pre> <pre>caagg</pre></pre></pre>	sapiens feature for ID No: 0: ggtgggggt agaactgtac ttgggtac ttgggtac ttgggtac agaaggag ttgatggag aacaggag gcaaaggag gcaaaggag ggaaagtctg ccactaacas aataagag adgaaaggag ttgatgcac ataagag ttgatgag ttgatgag ttgatgag ttgatgag ttgatactag aacaagattat ttgatgatagt ttgatgatagt aacaagattat ttgatgataagt aacaagattat ttgataagag aacaagattat	gcggggcagt tctccgagag aaagaggca aggctettea agcaaagggac ttgaaaatg acaagtgaa acaagtgat cagatgtct cagatgtct cagttctc cagttctc ctgtgttcc ctccaattag gcatcatce ctcaattag gcgtccta agacttctc tccaattag tcgatcaac gcagtcctc ttcaagaact ttttgaacaa	gtcgttttcc gaacaaaatg gaaaattcaa gtttcagctt aaaaaccgag tctggagaaa tacaaggtg tctgagaaa taaaagttgt tctgaatcaa tatagtggt aaaaagatta acaagccacc atggagaacac atggagacaac atggagacaat tctttggaat tctttggaat actactacgctg ccaactccaa	cgtccccgag agctgggctt gagcttgaag gacagtctcg gytacaaacc actaagcaga aaatctgagc tgcaatcac tccaagtatg gagcaagag atgaatcacc gagaagaccc tctgcatcatc tcggaaaagacc cctgaaatcac gagaagacc tctggaaacc qagaagacc qagtataaaag caatgagaatg caaggaaatg qaactagtgagaag gaactagtgagaag	agcaagttta tygaaqaatg gacagcttga aggctycgct tyaaaaggga agatttctca attcagcaa ttgaaagaga cacaaaaat aagatctaaa ttaaagccta tegaaagaat cagatcatc cagtcattccag atgctaatag cagcaattag cagcaattag acgcaagaatca aaaaagagaa caaaaagtgga	120 180 240 300 360 420 480 540 600 720 780 840 900 960 1020 1140 1200
<pre><211> 10281 <212> NNA <213> Homo <220> <220> misc <221> misc <221> acycle <221> more <400> 201 attugueac tutacaaatg gaaagaagg caaactgaag graastcaaagg tgaacttaaa graactaaag tgaacttaaa tgaactaaag tgaacttaaa tgaacaatat graagctaag ttotatctaa tgaacaagac ttotatctaat graagctaag cagttiettt agagctaag cagttiettt agagctaag acattattgaa acaataaggac aa attaattgaa acaataggac aa acaataggac acaataggac aa acaataggac acaacaataggac acaacaacaataggac ac</pre>	sapiens feature in ID No: 0; ggtgggggt agaactytac ttggagjaat ttgstggaa gtcaagagt ttgstggaa gtcaagagt gaaactyt gaaactyt gaaacty tcaacta aagaga tgaatcaa tcaacta aacaatca aacaatcta aacaaqatt agyaaaagi aagaaaaq aagaaaaq aagaaaaa	gcggggagt tctccgagag aaagaagca agactettea agcaaaggaa ttgaaaattga tatgtgasa cacaagtgaaa cacaagtgaaa cagattgtct cagtcaata ttgaagaacg agactettec ctgctaata gtcgataaa gtcgataaa gtcgataaa ttgaagaacg ttcaagaact ttcaagaact ttttgaacaa	gtcgttttcc gaacaaaatg gaaaaattcaa gattcagatt aaaacggag tttcgagaaa tataagggt totgaatca tatagtggt aaaaggatta aaaaggatta acaagcacc atgcgagaaa tettcgaaata tetttggaa actacgcctg ccaactccaa atgtagggat	cgtccccqag agctgggctt gagcttgaag gacagtctgaag ggtacaaacc ggtacaaacc aaatctgaag agagcaagag agagcagag atgaatcac ccaagtatg aggaaagag atgaataacc ccaagtatg caggaaag caagaagg caattaaaag caaggaaatg caggaaag gaactagtga agaaacag	agcaagttta tygaagaatg gacagettyga tagatttetca autteugoa atttagaaaagaag tagaattaaaa tagaatctaaa ataagactt gogaattya cagtttetctg atteugoa tagatetaaa attaaagaat atgataatag cgcagaattaaaaag cgcagaatcaaaaagaaat caaaaggaga taaaaagaat caaaaggaga	120 180 240 300 360 420 540 600 660 720 780 840 900 1020 1080 1140 1200 1260
<pre><211> 10281 <212> NNA <213> Homo <220> <221> misc <221> Incyt </pre> <pre><400> 201 attgggcacc aagccgcgcc tttacaaatg gaatgaagga gaatcaaga tgaaccaaga tgaaccaaga tttttacaact ttttacaact aggctaaa tcagacaaga tcatctaat gaacaaga tcatctaat gaacaaga tcatctaat gaacaaga tcatctaat gaacaaga tcatctaat agaacaaga tcatctaat agaacaaga tcatctaat agaacaaga tagaacaaga tagaacaaga aattattta gaacaaga aataataga acaatacgac agaagatttg agaagatttg agaagatttg agaagattag acaatacgac agaagatttg agaagatttg agaagatttg agaagatttg agaagattg agaagatttg agaagattg agaagattg agaagatttg agaagattg agaagattag agaagattg agaagaagaagaagaagaagaagaagaagaagaagaag</pre>	sapiens feature fe ID No: 0: gutugcggtt aquantytac taquantytac tugggtage tugggtage aquantytac tugggtage tugggtage aacaqaagg tugadgagg gaasaaggag gaasaaggag gaasaaggag gogaagtotg cocataacaa aataaagag aagcaagc totoaagaag totoaagaag aagcaagt totoaagaag aggac totoaagaag aagcaagt totoaagaag aggac ataaagaagaag aggac agg	gcggggcagt tctccgagag aaagaggca aggctettea agcaaagggac ttgaaaatg acaagtgaa acaagtgat cagattgtc cagttgtc cagttgtc cagttgtc cagttgtc ctcaattag gcatcetc tccaattag tcqatcaac gcatcaca cagattcaa cagattcaa cagattcaa cagattcaa cagattcaa cagattcaa cagattcaa cagattaga	gtcgttttcc gaacaaaatg gaaaaatcga gtttcagctt aaaaacggag tctggagaaa tttccaggaa taaaaggtgt tctgaatcca ttatagtggt taaaaagatta acaagcaca aagagatttc tttggaat tctttggaat tctttggag ccaactccaa adgaggattgcattggat	cgtccccgag agctgggctt agcttgaag gacagttcaag ggtacaaacca agacaactgag tgaaaacacca tcaagtatg agagcaagg atgaatacac tcaagtatg agagcaagg atgaataacac tctgaatttaaaag casttaaaag cagttaaaag cagagagaag caattaaaag gagacaatg ctggagaaag agacatgtga	agcaagttta tygaayaatg gacagcttga aggctycgct tygaaaaggga agatttctca attcagccaa ttgaaagaag cacaaaaaat taaagcctt gogaattcaa ttettcttg cagtatca acgcattgc cagtactaa agaatcaaa agaagaatcaa agaagaatcaa agaagaatcaa aaaaaggga aaaaagtgga aaaaaagagaa	120 180 240 300 360 420 480 540 660 720 780 840 900 960 1020 1140 1200 1200 1320
<pre><211> 10281 <212> NNA <213> Homo <220> <221> misc <221> Incyt </pre> <pre><400> 201 attgggcacc aagccgcgcc tttacaaatg gaatgaagga gaatcaaga tgaaccaaga tgaaccaaga tttttacaact ttttacaact aggctaaa tcagacaaga tcatctaat gaacaaga tcatctaat gaacaaga tcatctaat gaacaaga tcatctaat gaacaaga tcatctaat agaacaaga tcatctaat agaacaaga tcatctaat agaacaaga tagaacaaga tagaacaaga aattattta gaacaaga aataataga acaatacgac agaagatttg agaagatttg agaagatttg agaagattag acaatacgac agaagatttg agaagatttg agaagatttg agaagatttg agaagattg agaagatttg agaagattg agaagattg agaagatttg agaagattg agaagattag agaagattg agaagaagaagaagaagaagaagaagaagaagaagaag</pre>	sapiens feature fe ID No: 0: gutugcggtt aquantytac taquantytac tugggtage tugggtage aquantytac tugggtage tugggtage aacaqaagg tugadgagg gaasaaggag gaasaaggag gaasaaggag gogaagtotg cocataacaa aataaagag aagcaagc totoaagaag totoaagaag aagcaagt totoaagaag aggac totoaagaag aagcaagt totoaagaag aggac ataaagaagaag aggac agg	gcggggcagt tctccgagag aaagaggca aggctettea agcaaagggac ttgaaaatg acaagtgaa acaagtgat cagattgtc cagttgtc cagttgtc cagttgtc cagttgtc ctcaattag gcatcetc tccaattag tcqatcaac gcatcaca cagattcaa cagattcaa cagattcaa cagattcaa cagattcaa cagattcaa cagattcaa cagattaga	gtcgttttcc gaacaaaatg gaaaaatcga gtttcagctt aaaaacggag tctggagaaa tttccaggaa taaaaggtgt tctgaatcca ttatagtggt taaaaagatta acaagcaca aagagatttc tttggaat tctttggaat tctttggag ccaactccaa adgaggattgcattggat	cgtccccgag agctgggctt agcttgaag gacagttcaag ggtacaaacca agacaactgag tgaaaacacca tcaagtatg agagcaagg atgaatacac tcaagtatg agagcaagg atgaataacac tctgaatttaaaag casttaaaag cagttaaaag cagagagaag caattaaaag gagacaatg ctggagaaag agacatgtga	agcaagttta tygaayaatg gacagcttga aggctycgct tygaaaaggga agatttctca attcagccaa ttgaaagaag cacaaaaaat taaagcctt gogaattcaa ttettcttg cagtatca acgcattgc cagtactaa agaatcaaa agaagaatcaa agaagaatcaa agaagaatcaa aaaaaggga aaaaagtgga aaaaaagagaa	120 180 240 300 360 420 480 540 660 720 780 840 900 960 1020 1140 1200 1200 1320
<pre><211> 10281 <212> NNA <213> Homo <220> <220> incy <221> incy <221> incy <20> angecycyc titacaasty gaaagaagy caastgaag gaastaaagy caastaaag gaatcaaag tyaactaaa agaactaaa tyaag tyaactaaa tyaag tyaactaaa tyaag tyaactaaa tyaag tyaactaaa tyaag tyaactaaa tyaag tyaactaa tyaag tyaactaa tyaag tyaactaa tyaag tyaactaag tyaactaag tyaactaag tyaactaag tyaactaag tyaactaag tyaactaag tyaag tya</pre>	sapiens feature in ID No: 0; ggtgggggct agaactgtac ttggagfaat tctgctacaa aaggaaaag ttgatggaaa gtcaaggagt ttgatggaa gtcaaggagt gaabaactgg aathaagag aathaagag atgactacaa gtgactacaa gtgactacaa gtgactacaa gggagtaaa gagaaaaa agtgtaaagaaaa agtgtaaaaa ggtgacaaa ggtgacaaa ggtgacaaa ggtgacaaaa ggtgacaaaa ggtgacaaaa ggtgacaaaa ggtgacaaaaa ggtgacaaaaa	gcggggagt tctccgagag aaagaagca agactettea agcaaaggaa ttgaaaattga tatgtgasa cacaagtgaaa cacaagtgaaa cagattgtct cagtcaata ttgaagaacg agactettec ctgctaata gtcgataaa gtcgataaa gtcgataaa ttgaagaacg ttcaagaact ttcaagaact ttttgaacaa	gtcgttttcc gaacaaaatg gaaaaattcaa gattcaggtt aaaaccgag tctggagaaa tctgaagaat tctgaatca tatagtggt aaaaaggtta aaaaggatta acaagcaca tatagtggt tttgaaaaca gagaattct tttggaa tctttggaa tctttggaa actgacgcctg ccaactccaa atgtagggat tgcattggaa agaaagtgc	cgtccccqag agctgggctt gagcttgagg qacagtctgagg gacagtctcag ggtacaaacc actagcagg aaatctgagc tgcaatacac tccaagtatg aggcaagag atgaatacac tcgaatctt gggaaaag caattaaaag caaggaatg caattaaaag caaggaaatg caatagtag agactagtga agatgttetc cgtcaacag	agcaagttta tygaagaatg gacagcttga aggctycgct tyaaaaggga agatttctca attcagccaa attgaaagaag cacaaaaat tagatcttaa tegacattty caagtcatta cattttctyg atgctaattag cycagaatca aaaaagaat caaaaaggaat caaaaggaat caaaaggaat caaaaggaat caaaaggaat caaaaggaat caaaaggaat caaaaggaat caaaaatgga gaacaacag cagaaaaggaa tygaaaagga gttctttcca	120 180 240 300 360 420 480 540 660 720 840 900 1020 1140 11200 1260 1320 1380

		be a seen as a seen be asset			L	1500
caagaatatg	cacaacgtcc	LgcaggeLga	actggataaa	ctcacatcag	taaagcaaca	1200
cctacaaaac	aatttggaag	agtttaagga	aaagttgtgc	agagetgaac	aggenticea	1560
ggcgagccag	atcaaggaga	acgagetgag	gagaagcatg	yayyaaacya	ayaayyaaaa	1020
caacctcctt	aagagtcact	ctgagcaaaa	ggccagagaa	gtctgccacc	tggaggcaga	1680
actcaagaac	atcaaacagt	gtttaaatca	gagccagaat	tttgcagaag	agatogaage	1740
gaagaacacc	tctcaggaaa	ccatgitaag	agatetteaa	gaaaaaacaa	accagcaaga	1800
aaactccttg	actttagaaa	aactgaaget	tactataact	gatetqqaaa	agcagegaga	1860
	gaccttttga					
	gagaaagagt					
atatgaattg	aaagaagaga	aaactctgtt	ttcttattaa	aaaagtgaaa	acqaaaaact	2040
	atggaatcag					
ttgtetgaag	acacagcaaa	taaaaagtca	tgaatacaac	gagagagtaa	gaacgctgga	2160
gatggacaga	gaaaacctaa	gtgtcgagat	cagaaacctt	cacaacgtgt	tagacagtaa	2220
at as at age a	gtagagaccc	and a contract	thotateene	atnanana		2200
greagegag	gcagagaccc	agaaactage	ccacacggag	ctacagcaga	aagecgagee	2200
ctcagatcag	aaacatcaga	aggaaataga	aaatatgtgt	ttgaagactt	ctcagcttac	2340
tgggcaagtt	gaagatctag	aacacaaqct	tcagttactg	tcaaatgaaa	taatggacaa	2400
agaccontrat	taccaagact	tacataccaa	atatrararc	ctcagggatc	toctasaatc	2460
ananantant	tatatagto.		hash-same			2520
	tetetggtga					
gcagcctgcc	atgcatcatt	cctttgcaaa	tataattgga	gaacaaggaa	gcatgccttc	2580
	gaatgtcgtt					
222522222	gattcacttg	nottttantt	a was at at an a	2020000000	netenencet	2700
aaacagagii	gacceaeccy	aducticati	agagicicaa	aaacayacya	acceagacec	2700
gcaaaagcag	tgtgaagagt	tggtgcaaat	caaaggagaa	atagaagaaa	atctcatgaa	2760
agcagaacag	atgcatcaaa	attttataac	tgaaacaagt	cagcgcatta	gtaagttaga	2820
	tetgeteace					
	ctgcaacttt					
attaaaaaag	agcaaccatc	tacttgaaga	ctctctaaag	gagetacaac	ttttatccca	3000
aaccctaacc	ttggagaaga	nenteeenes	ttccatcatt	tototaaata	tesennasses	3060
hacectuage	ccggagaaga	auguautgag	toccurcuit		daugggddac	3000
tgaagagetg	acccaagaga	atgggaetet	taaggaaatt	aatgcatcct	taaatcaaga	3120
gaagatgaac	ttaatccaga	aaaqtqaqaq	ttttgcaaac	tatatagatg	aaagggagaa	3180
aagcatttca	gagttatctg	atcactacaa	dcaadaaaaa	cttattttac	tacasacato	3240
Lyaayaaacc	ggaaatgcat	atgaggatet	Lagicaaaaa	Lacaaagcag	cacaggaaaa	3300
gaattctaaa	ttagaatget	tgctaaatga	atgcactagt	ctttgtgaaa	ataggaaaaa	3360
tgagttggaa	cagctaaagg	aaggatttgg	aaaggaagag	caagaattet	taacaaaatt	3420
aggatttggt	gaagaaagaa	atgamatat	antagamour	ttagaaraar	teaneanne	2490
	gagatgacag					
gcaagaaatc	atgactttaa	aggaagaa ca	aaacaaaato	caaaaggaag	ttaatgactt	3600
attacaadad	aatgaacagc	tratraarat	aatraaract	aaacatcaat	atcassatct	3660
accacaagag	autgaatagt	cgacgaaggc	aatgaagact	aaacacyaac	gccaaaaccc	3000
agaatcagaa	ccaattagga	actetgtgaa	agaaagagag	agtgagagaa	atcaatgtaa	3720
ttttaaacct	cagatggatc	ttgaagttaa	agaaatttct	ctagatagtt	ataatgcgca	3780
attaatacaa	ttagaageta	toctaagaaa	taaggaatta	aaacttcagg	agagtgagaa	3840
	tgcctgcagc					
tttgcaagac	atgcagtcac	aagaaattag	tggccttaaa	gactgtgaaa	tagatgcgga	3960
agaaaagtat	atttcagggc	ctcatgagtt	gtcaacaagt	caaaacgaca	atgcacacct	4020
taratastat	ctgcaaacaa	anatanaana	gatasatasa	atagagaaaa	tatatasaat	4090
actgcaggct	gaaaagtatg	aactcgtaac	tgagetgaat	gattcaaggt	cagaatgtat	4140
cacagcaact	aggaaaatgg	cagaagaggt	agggaaacta	ctaaatgaag	ttaaaatatt	4200
agatoatosc	agtggtcttc	tecategina	attautures	dacataccad	daddtdas++	4260
	agaggaaaa	cocaeggega	geougegaa	garactarocag	gaggagaatt	4200
	ccaaatgaac					
ctacgageac	ttgacattgt	cagacaaaga	agttcaaatg	cactttgccg	aattgcaaga	4380
	tctttacaaa					
atak-ss-t-	*	9 - 9		garaagaara	geologic	4500
cucadaatg	tcagagetge	agacctatgt	Lyacteatta	aayyeegaaa	acceggiett	4500
gtcaacgaat	ctgagaaact	ttcaaggtga	cttggtgaag	gagatgcagc	tgggcttgga	4560
ggaggggctc	gttccatccc	totcatecte	ttatatacct	gacageteta	gtettaggag	4620
tttaaaaaaa	tcctccttt	agagagatat	tttnannana	and and and the	tatatatat	1680
gagtaattta	gaaggggctg	tttcagcaaa	ccagtgcagt	gtagatgaag	tattttgcag	4740
cagtetgeag	gaggagaatc	tgaccaggaa	agaaacccct	teggeeceag	cgaagggtgt	4800
trangenett	gagtccctct	atazaatata	ccaacaataa	ctccacasac	tamaggagg	4860
	gageceeeee	gogaggogta	coggragice	ccyayaage	-uyaayayaa	4000
	caagggatta					
ttctgaaagg	caagagcttg	actgccttag	gaagcagtat	ttgtcagaaa	atgaacagtg	4980
nesneone	ctgacaagcg	tractetore	gatggagtoc	aagttggggg	cadaaaaacee	5040
gouncagaag	annatut.	t t a c a c t c c c c c c c c c c c c c	gatggagttt	-t		E100
acayacggaa	caactgtcac	rigagetgga	agragcacga	ciccagetae	aaggcetgga	2100
cttaagttct	eggtetttge	ttggcatcga	cacagaagat	gctattcaag	gccgaaatga	5160
	atatcaaaag					
	atttgtgata					
		aayacyccca	graygacete	autotayaca	ccyayaaddc	5200
aactgagact	ggtgcattga cctccagggg	aacccacagg	agagtgetet	ggggaacagt	ccccagatac	5340
caattatgag	cctccaggqq	aagataaaac	ccagggctct	tcagaatgca	tttctgaatt	5400
atantttat	, , , , , , , , ,	+ E +		atemagnata	n or on n or other	EAGO
gccaccccc	ggtcctaatg	ctttggtacc	tatggattte	ciggggaate	ayyaayacat	3400

ccataatctt	caactgcggg	taaaararar	atcasatgag	aatttgagat	tacttcatct	5520
	cgtgacagaa					
	ttacaggagg					
aaaaatagtt	ggggaactta	agaaagaaaa	ctcagattta	agtgaaaaat	togaatattt	5700
	caccaggagt					
	catgcagata					
gaatgacage	tggaaggaga	gatttettga	tgtggaaaat	gagetgagta	ggatcagatc	5880
	agcattgage					
	ctatgtttag					
	ctctcagtgg					
	aaaaccacgg					
agagettgag	tctcatcaaa	gtgagtgtct	ccattgcatt	caggtggcag	aggcagaggt	6180
	acggaactcc					
caaaactcat	ctccaggaaa	agetgeagag	tttggaaaag	gactcacagg	cactgtcttt	6300
gacaaaatgt	gagctggaaa	accaaattgc	acaactgaat	aaagagaaag	aattgcttgt	6360
caaggaatct	gaaagcctgc	aggccagact	gagtgaatca	gattatgaaa	agetgaatgt	6420
	ttggaggccg					
	gaagtgcatc					
ggccgatgaa	aagaagcagc	tgcacatcgc	agagaaactg	aaagaacgcg	agcgggagaa	6600
	aaggataaag					
	gtgattcttg					
acaaatagaa	gagatggcca	gaagcctgaa	agtttttgaa	ttagaccttg	tcacgttaag	6780
gtctgaaaaa	gaaaatctga	caaaacaaat	acaagaaaaa	caaggtcagt	totcagaact	6840
	ctctcttcat					
	gaatctaaaa					
	gcagccttgt					
202000000	neennenete	aggatgaggt	ananantaaa	attenanage	tananaaaaa	7000
cctagaaget	aatgaaaaga	agcagetetg	totettacaa	caactgaagg	aaagtgagga	7140
tcatgcagat	ttacttaagg	gtagagtgga	gaaccttgaa	agagagetag	agatagecag	7200
дасавассав	gagcatgcag	ctcttgagge	agagaattcc	aaaaggagagg	tagagagggt	7260
aaaagcaaaa	atagaaggga	tracccaaar	tctgagaggt	ctggaattag	atottottac	7320
tataaggtca	gaaaaagaag	atctgacaaa	toaattacaa	aaagagcaag	agcgaatatc	7380
tgaattagaa	ataataaatt	catcatttga	aaatatttto	caagaaaaag	agcaagagaa	7440
agtacagatg	aaagaaaaat	caaggagtgg	catggagatg	cttcaaacac	aattaaaaga	7500
gctcaatgag	agagtggcag	ccctccataa	tgaccaagaa	acctataaga	ccaaagagga	7560
	agtcaagtag					
tgatgaggg	aaaaataatt	atattottt	gcaatcttca	ataaataacc	tcattcaaga	7680
	ggcaagcaga					
tcaaattcaa	gaccaagagc	agettetete	taaactotcc	caggtggaag	gagaggagga	7800
actttggaag	gagcaaaact	tagaactgag	aaatctgaca	gtggaattgg	agcagaagat.	7860
ccaagtgcta	caatccaaaa	atgcctcttt	gcaggacaca	ttagaagtgc	tgcagagttc	7920
	ctagagaatg					
aaaagtaaac	aaaatgactg	caaaggaaac	tgagetgeag	agggaaatgc	atgagatggc	8040
	gcagagctgc					
	ctgttggaag					
agaaaatagt	gaattgaaga	agageetaga	ttgcatgcac	aaagaccagg	togaaaagga	8220
	agagaggaaa					
	ttgcttttgg					
agagaaattg	acttctaaag	aagaatgtct	canttcacan	aagctggaga	tagacctttt	8400
agagtctagt	aaagaagagc	tcaataattc	attgaaaget	actactcaga	ttttggaaga	8460
	accaagatgg					
	gggaaaatga					
	cagaaagaac					
	gataccaagg					
	aaaaccaagg					
	aagttagaga					
ttcacaccaa	tctaaacaag	attecegage	ateteettta	ctaggtccag	ttattccaaa	8880
	atcccttctg					
andcastaga	caaagatcca	ataaststa	adadaataat	ddaddaccaa	cacctacted	9000
cccadadagg	ttttctaaaa	aaaacaaca	agcagtcatg	agtggaccaa	accetaceae	9060
	ggtactgagt					
tactascata	ccgacaggaa	agactage	atatateete	casaascss	ccataggggcc	9180
	ccccgcctgg					
	gcagagtcct					
agranacecte	cggagcccag	tagattgagg	agerggrage	agrayaccac	addayy codd	9360
cateceacte	aataatcttc	ctagacccagg	taggaatga	agggaaccca	addddatas	9430
catassagas	ggccgacttg	tagagagaag	cocyactyac	atagagtag	agggcccgag	0420
ggccaagcga	ggccgacctg	ccccageee	caaayccyga	c cyyay coda	ayyycay cga	7400

```
gaactgtaag gtecagtgaa ggeactttgt gtgteagtac ceetgggagg tgecagteat 9540
tgaatagata aggetgtgee tacaggactt etetttagte agggeatget ttattagtga 9600
ggagaaaaca attecttaga agtettaaat atattgtact etttagatet eccatgtgta 9660
ggtattgaaa aagtttggaa gcactgatca cctgttagca ttgccattcc tctactgcaa 9720
tgtaaatagt ataaagctat gtatataaag ctttttggta atatgttaca attaaaatga 9780
caagcactat atcacaatct ctgtttgtat gtgggtttta cactaaaaaa atgcaaaaca 9840
cattitatte tictaaitaa cageteetaa gaaaatgtag actitigett tatgatatte 9900 tatetgtagt algageatg gaatagtitt gtategggaa titeteagge etgagtaaa 9960 tatetgtagt algaggeatg gaatagtitt gtategggaa titeteagge etgagtaaa 9960 gittatett
gtgtgtgggt atgtgtttat ttccagtgag ggctgcaggc ttcctagagg tgtgctatac 10140
catgcgtctg tcgttgtgct tttttctgtt tttagaccaa ttttttacag ttctttggta 10200
ageattyteg tatetygtga tygattaaca tatageettt yttttetaat aaaatagtey 10260
ccttcgtttt ctgtaagaat g
<210> 202
<211> 2656
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 977509.3
<400> 202
acctgctgac acgctgacgc cttcgagcgc ggcccggggc ccggagcggc cggagcagcc 60
cgggtcctga coccggccg getcccgctc cgggctctgc cggcgggggg gcgaggggg 120
cgcggtccgg gccggggga tgtctcggcg gacgcgctgc gaggatctgg atgagctgca 180
ctaccaggac acagattcag atgtgccgga gcagagggat agcaagtgca aggtcaaatg 240
gacccatgag gaggacgagc agctgagggc cctggtgagg cagtttggac agcaggactg 300
gaagtteetg gecagecact teectaaceg cactgeacea geaatgeeca gtacaggtgg 360
ctgagagttt tgaatccaga ccttgtcaag gggccatgga ccaaagagga agaccaaaaa 420
gtcatcgage tggttaagaa gtatggcaca aagcagtgga cactgattge caagcacetg 480
aagggeegge tggggaagea gtgeegtgaa egetggeaca accaecteaa eeetgaggtg 540
aagaagtott gotggacoga ggaggaggac cgoatcatot gogaggocoa caaggtgotg 600
ggcaacogot gggcogagat cgocaagatg ttgccaggga ggacagacaa tgctgtgaag 660
aatcactgga actctaccat caaaaggaag gtggacacag gaggettett gagcgagtec 720
aaagactgca agcccccagt gtacttgctg ctggagctcg aggacaagga cggcctccag 780
agtgcccagc ccacggaagg ccagggaagt cttctgacca actggccctc cgtccctcct 840
accataaagg aggaggaaaa cagtgaggag gaacttgcag cagccaccac atcgaaggaa 900 caggagcca toggtacaga totggacgca gtgcgaacac cagagccott ggaggaatto 960
cegaagegtg aggaccagga aggeteecca ecagaaacga geetgeetta caagtgggtg 1020
gtggaggcag ctaacctcct catccccgct gtgggttcta gcctctctga agccctggac 1080
ttgatcgagt cggaccctga tgcttggtgt gacctgagta aatttgacct ccctgaggaa 1140
ccatetgoag aggacagtat caacaacage ctagtgcage tgcaagcgte acateagcag 1200 caagteetge cacecegeca geetteegee etggtggeee agtgtgaceg agtacegeet 1260
ggatggccac accatctcag acctgagccg gagcagccgg ggcgagctga tccccatctc 1320
coccaquact quagtoggg getetggeat tggcacaccg coctetgtgc tcaageggca 1380
gaggaagagg cgtgtggctc tgtcccctgt cactgagaat agcaccagtc tgtccttcct 1440
ggatteetgt aacageetca egeccaagag cacacetgtt aagaceetge cettetegee 1500
oraccaptit ctmaactict gmacaaaa gmacacatty gagctgmaga gececteget 1560
gacatecaac ccaytytca gracamaagig gytyyteacc acacacatty accygmacaa 1620
gacaccecty caccagaaac atyctycytt tytaacecca gatcagaagi actecatgga 1860
caacacteec cacacgecaa eccegiteaa gaacgeeetg gagaagtacg gacceetgaa 1740
geceetgeca cagacceege acetggagga ggaettgaag gaggtgetge gttetgagge 1800
togcategaa eteateateg aggaegaeat caggeeegag aaggagaaga ggaaggetgg 1860
gctgcggcgg agccccatca agaaagtccg gaagtctctg gctcttgaca ttgtggatga 1920
ggatgtgaag ctgatgatgt ccacactgcc caagtctcta tccttgccga caactgcccc 1980
ttcaaactet tecageetea cectoteagg tateaaagaa gacaacaget tgeteaacca 2040
gggettettg caggecaage cegagaagge ageagtggee cagaageeee gaagecactt 2100
cacgacacet geocetatgt coagtgeetg gaagaeggtg geetgegggg ggaecaggga 2160
coagtettte atgaeggaga aageeeggea geteetggge egeetgaage caageeaac 2220
atsteggaec etcatettgt cetgaggtgt tgagggtgta acgaegeeat teteatgttt 2280
acaggggttg tgggggcaga gggggtctgt gaatctgaga gtcattcagg tgacctcctg 2340
cagggagect tetgecacca gecetteee agacteteag gtggaggcaa cagggecatg 2400
tgctgccctg ttgccgagcc cagctgtggg cggctcctgg tgctaacaac aaagttccac 2460
ticcaggiet geotogite eteccaagg cacagggag etecgteage ticteccaag 2520
```

```
cccaegteag geetggeete ateteagace etgettagga tgggggatgt ggeeagaggt 2580
geteetgtge teaccetete ttggtgeatt tttttggaag aataaaattg cetetetett 2640
taaaaaaaaa aaaaaa
<210> 203
<211> 1722
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 221961.2
<400> 203
ggccatctac aatcaagatt qaqaqtqqct ctaacaagtq ccatttttcc ttqttagctt 60
teatttetea gecetttaca agattaaaat agtetgeagt ttaatetete caaagettta 120
cggacagtga ttctgtccta aacaagacag tgactccagg atttctgaag actattgtgg 180
aagaagcatc cattaaggcc aagctataac atcagaaatg gtgaatgaat acaagaaaat 240
tottttgctg aaaggatttg agctcatgga tgattatcat tttacatcaa ttaagtcctt 300
actggcctat gatttaggac taactacaaa aatgcaagag gaatacaaca gaattaagat 360 tacagatttg atggaaaaaa agttccaagg cgttgcctgt ctagacaaac taatagaact 420
toccaaagat atoccatcac ttaaaaacct tottaacaat cttcgaaaag agaagtcaaa 480-
agttgctaag aaaattaaaa cacaagaaaa agctccagtg aaaaaaataa accaggaaga 540
agtgggtett geggeacetg cacceacege aagaaacaaa etgacategg aagcaagagg 600
gaggattect gtageteaga aaagaaaaac tecaaacaaa gaaaagactg aagecaaaag 660
gaalaaggtg teccaagage agagtaagee eeegggteee teaggageea geacatetge 720
agetgtggat catecceae taccecagae etcatcatea actecateca acaettcgtt 780
tacteegaat caggaaaccc aggcccaacg gcaggtggat gcaagaagaa atgttcccca 840
aaacgaccca gtgacagtgg tggtactgaa agcaacagcg ccatttaaat acgagtcccc 900 agaaaatggg aaaagcacaa tgtttcatgc tacagtggcc agtaagactc aatatttcca 960
tgtgaaagtc ttcgacatca acttgaaaga gaaatttgta aggaagaagg tcattaccat 1020
atotgattac totgaatgta aaggagtaat ggaaataaag gaagcatcat otgtgtotga 1080
ctttaatcaa aattttgagg toccaaacag aattatcgaa atagcaaata aaactcccaa 1140
gatcagtcaa ctttacaagc aagcatctgg aacaatggtg tatgggttgt ttatgttaca 1200
aaagaaaagc gtacacaaga agaacacaat ttatgaaata caggataata caggatccat 1260
ggatgtagtg gggagtggaa aatggcacaa tatcaagtgt gagaaaggag ataaacttcg 1320
actettetge etteaactga gaacagttga cegcaagetg aaactggtgt gtggaagtea 1380
cagetteate aaggteatea aggeeaagaa aaacaaggaa ggaccaatga atgttaattg 1440
aaatatgaaa gotgaaatgo aacaaacaac ttoogottaa aacaattaag ttgttaataa 1500 otgtgatttt gtaaatttoa gtaattoatt taaatgatgt ttoagtagat atattotago 1560
atattaagag ettttataac tgagttatag attagtttge tttctggaat aaaattttct 1620
tettataete tteettttt ttagatatta eattitgett ttatgacatt caegaggeaa 1680
<210> 204
<211> 835
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 246824.1
<400> 204
gtttetgeat ggeeaagage eagaceetee etetgggete tgetggeeca acceaceaag 60
ggatgettta tttaaacagt tecaagtagg ggagaccage tgeceetgaa ceccagaaca 120
accagetgga teagttetea eaggagetae agegeggaga etgggaaaca tggttecaaa 180
actottcact teccaaattt otetoettet tetottoggg ettetogeto toggggete 240
actecatgte aaacetecae agtitacetg ggeteaatgg titgaaacec agcacateaa 300
tatgacetee cageaatgea ecaatgeaat geaggteatt aacaattate aacggegatg 360
caaaaaccaa aatactttcc ttcttacaac ttttgctaac gtagttaatg tttgtggtaa 420
cccaaatatg acctgtccta gtaacaaaac tcgcaaaaat tgtcaccaca gtggaagcca 480
ggtgccttta atccactgta acctcacaac tccaagtcca cagaatattt caaactgcag 540
qtatgcgcag acaccagcaa acatgttcta tatagttgca tgtgacaaca gagatcaacg 600
acgagaceet ceacagtate eggtggttee agtteacetg gatagaatea tetaagetee 660
tgtateagea etectatea teacteatet gecaagetee teaateatag ceaagateee 720
ateteteeat atacttiggg tateageate tgteeteate agteteeata eccetteage 780
```

tttcctgage tgaagtgeet tgtgaaccet gcaataaact getttgcaaa ttcaa

```
<210> 205
<211> 2319
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 407557.2
<22005
<221> unsure
<222> 2114
<223> a, t, c, g, or other
<400> 205
ctctgccgag cctccttaaa actctgccgt taaaatgggg gcgggttttt caactcaaaa 60 agcgctcaat ttttttcttt tcaaaaaaag ctgatgaggt cggaaaaaag ggagaagaaa 120
coggcaccot ctotgagagg caacagaage agcaattgtt tcagcgaaaa aagcagcaag 180
ggaggagtg aaggaaaaa gcaaaaaagg gggcgacacg caagtgcctg taggggtgaa 240
aggagcaggg accggcgatc taggggggga tcagctacaa aagaaactgt cactgggagc 300
ggtgcggcca aggaggaagc agtgctgcca ggctctgctc cagggcacag ctggctggcg 360
gctgccctgt ccgcagcaaa ggggcacagg ccggggaccg cgagaggtgg caaagtggca 420
cegggegeeg aggetgetga gegetegeeg agaeggegae eggaetgget geeceggaac 480
tgcggcgact etcectacte agaacttgge ctacgtttee caggactete eccateteca 540
gaggccccca caaaaccggg aaaggaagga aaggacagcg geggcagcag ctcaatgagt 600
gcctacagea gaaagectga acgagetegg tegtaggegg gaagtteeeg ggggggetge 660
ccagtgeage egeaatgetg eegegagetg eeceageagt eegggeteeg tagaegettt 720
ecgoateast eteetteete gygetgeegg gagteeeggg acetggeggg geeggeatga 780
egggettete gyggeeege egoaegeeeg goageeteeg gagaeegeeg eegageeegg 840
eteecaegge etetgagget egggegget geggetgeet gegggeggg eteeggaagt 900
ttcctgagcc ggcattagcc cacggettgg cccggacgcg accaaaggct cttctggaga 960
tuctogaget gyatraget attygettyg Utdattyg agecaagget tittetgyapa 300° agecaagae attygeate egitagae tittagettya gygecaacega attyfeatet 1020 egitteget titgygapte atetittaac ecteogrape aeptaageat caageaace 1080 egyegetete caagaageg aggacoaga attatecett eggegagae gatyagaaace 1140
gagocccetg gaggacctgc ccctgcagtt ctgcctcaca cggctcaagt caccaccgtg 1200
aacaagggac cctaaagaat ggccgagcet tgggggaacg agttggcgte cgcagctgcc 1260
aggggggacc tagagcaact tactagtttg ttgcaaaata atgtaaacgt caatgcacaa 1320
aatggatttg gaaggactge getgeaggtt atgaaacttg gaaateegg gattgeeagg 1380
agactgetae ttagaggtge taateeegat ttgaaagace gaaetggttt egetgteatt 1440
catgatgegg ccagagcagg tttcctggac actttacaga ctttgctgga gtttcaagct 1500
gatgttaaca tegaggataa tgaagggaac etgecettge acttggetge caaagaaggt 1560
cacctccggg tggtggagtt cctggtgaag cacacggcca gcaatgtggg gcatcggaac 1620
cataaggggg acaccgcetg tgalttggcc aggetetatg ggaggaatga ggttgttage 1680
ctgatygcagg caaacggggc tygggggagcc acaaatette aataaacgtg gggagggcto 1740
ccccacgttg cotctacttt atcaattaac tgagtagct toctgacttt taatgtcatt 180
tgttaaaata cagttetgte atatgttaag cagetaaatt ttetgaaact geataagtga 1860
aaatottaca acaggottat gaatatattt aagcaacato tttttaacct gcaaaatctg 1920
ttctaacatg taatigcaga taactttgac tttcttctga atattttatc tttccttggc 1980
ttttcccttg cttccccttt tgccaatctc aacacccaag ttgaagactt tgtttttaaa 2040
atggtttgtc ctgatgcttt tgtctaatta aaacactttc aaaacaggac aacatttttc 2100
tgtgattite cetnetttag aacceataca caacttatea ettgetaagg agaactgtac 2160
taaaagttat tgaatgtett aagtetttae actagaaaag gtagaccaac tggaaaacta 2220
gacatactet ettgatgatt cagttgtttt catcetttae ceatgteacg tecacettgg 2280
tgcctagtat ttctgcttta aaacaaaata aggacaact
                                                                                        2319
<210> 206
<211> 1170
<212> DNA
<213> Homo sapiens
<221> misc_feature
<223> Incyte ID No: 372981.2
<400> 206
```

```
aagtaatett agggattgtg ggaaggeage tgaaetegge geetggaaag atggaggeag 60
eggagacaga ggeggaaget geageectag aggteetgge tgaggtggea ggeatettgg 120
aacctgtagg cetgeaggag gaggeagaac tgeeageeaa gateetggtt gagtttgtgg 180
tggactotea gaagaaagac aagetgetet geagecaget teaggtageg gattteetge 240
agaacateet ggeteaggag gacactgeta agggtetega cecettgget tetgaagaca 300
cgagccgaca gaaggcaatt gcagctaagg aacaatggaa agagctgaag gccacctaca 360
gggagcacgt agaggccatc aaaattggcc tcaccaaggc cctgactcag atggaggaag 420
cccaqaqqaa acqqacacaa ctccqqqaaq cctttqaqca qctccaqqcc aagaacaaa 480
tggccatgga gaaacgcaga gcagtccaga accagtggca gctacaacag gagaagcatc 540
tgcagcatct ggcggaggtt tctgcagagg tgagggagcg taagacaggg actcagcagg 600
agettgaegg ggtgttteag aaacttggaa aeetgaagea geaggeagaa eaggageggg 660
acaagetgea gagggtaage tgttgtteee tgaggetgag getgaggeag agaatettee 720
agatqataaa ccccaqcaqc cqactcqacc ccaqqaqcaq aqtacaqqaq acaccatqqq 780
gagagaccet ggtgtgtcet teaaggetgt tggtetacaa cetgetggag atgtaaattt 840
gecatgactt cetggaggac agcagcatgg agaaagatee tagaaaaaggt cagacccaae 900 teaggeettg gtgteeetgg actgeaagtg tggaaggagg gaaageetgg titacetete 960
totgcatctg agetetgeta cccatggage agatggatgg tgggaacagg aaagagetta 1020
tgttacacct catteccatg cttageccae ccagagetaa eccetgtett ettecceagg 1080
cetetgaett ceetcacete ceaaccatea ttacaggaaa gaetgtgaac teetgagtte 1140
agettgattt etgaetacat eccageaage
<210> 207
<211> 1382
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 201409.6
getggtttge cacaaaacte categtaact gaaagaggaa atettetaca aattecagat 60
tteactgete ecaccagett ggagacaaca tgtggttett gacaactetg eteetttggg 120
ttccagttga tgggcaagtg gtagacacca caaaggcagt gatcactttg cagcetecat 180
gggtcagcgt gttccaagag gaaaccgtaa cettgcactg tgaggtgetc catetgcetg 240
gggagcaget ccacacagtg gttteteaat ggeacageca eteagacete gaececeage 300
tacagaatea cetetgecag tgteaatgae agtggtgaat acaggtgeca gagaggtete 360
tcagggcgaa gtgaccccat acagetggaa atccacagag getggctact actgcaggtc 420
tecageagag tetteacgga aggagaacet etggeettga ggtgteatge gtggaaggat 480
aagetggtgt acaatgtget ttactatega aatggcaaag cetttaagtt tttecaetgg 540
aattetaace teaceattet gaaaaceaac ataagteaca atggeaceta ceattgetea 600
ggeatgggaa agoategeta cacateagea ggaatatetg teactgtgaa agagetatt 600
ceageteeag tgetgaatge atetgtgaa tecceactee tegaggggaa tetggteace 720
ctgagetgtg aaacaaagtt getettgeag aggeetggtt tgeagettta etteteette 780
tacatgggca gcaagaccet gcgaggcagg aacacatcet ctgaatacca aatactaact 840
gotagaagga aagactotgg gitafaatgg tyogaggotg ocacagagga tygaaatgto 900
ottaagogoa gocotgagtt ggacttoaa gitocttagoc tocagttaco aactoctgto 950
tegettoatgt tectttota totggoagtg ggaataatgt tittagtgaa cactyttotc 1020
tgggtgacaa tacgtaaaga actgaaaaga aagaaaaagt gggatttaga aatctetttg 1080 gattetggte atgagaagaa ggtaatttee ageetteaag aagacagaca tttagaagaa 1140
gagetgaaat gteaggaaca aaaagaagaa cagetgeaqq aaqqqqtqea ceqqaaqqaq 1200
ccccaggggg ccacgtagca gcggctcagt gggtggccat cgatctggac cgtcccctgc 1260
ccacttgctc cccqtqagca ctgcgtacaa acatccaaaa gttcaacaac accaqaactg 1320
tgtgteteat ggtatgtaac tettaaagca aataaatgaa etgaetteaa etgggaaaaa 1380
ลล
                                                                                1382
<210> 208
<211> 2865
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 331025.1
<400> 208
geggeggttt aegeggegtt aagaettegt agggttageg aaattqaggt ttettggtat 60
```

tgcgcgtttc						
	tetteettge	tgactctccg	aatggccatg	gactcgtcgc	ttcaggcccg	120
cctgtttccc	ggtctcgcta	tcaagatcca	acgcagtaat	ggtttaattc	acagtgccaa	180
totaaggact	gtgaacttgg	agaaatcctg	tatttcaata	gaatgggcag	aaggaggtgc	240
cacaaagggc	aaagagattg	attttgatga	totooctoca	ataaacccag	aactettaca	300
	ttacatccga					
асааааасоо	agatecgtca	actccaaaat	tectecteca	aaagaaagtc	ttcgaageeg	420
ctccactcgc	atgtccactg	teteagaget	tcgcatcacg	geteaggaga	atgacatgga	480
antanancta	cctgcagctg	casactocco	caagcagttt	tranttrate	ctacacacac	540
taggeettee	tgccctgcag	toroctoraaat	accattgagg	at ant canca	annanationa	600
acadeaacte	cattccatcc	ggccgaaac	ttatacasac	actatasact	canttonnan	660
	cttgtgaagg					
	gaaatgagaa					
ccagaacccc	cgaatgatta	cyaayayayc	ccayyaytat	gacagtagtt	ccccaaaccg	040
ggaacttgcc	cyaatyatta	aayaacttcy	ggetactitg	gaatgtcatc	cacttactat	040
	ategaagage					
	gccaagaaag					
	cccaagttga					
	gcatttgatg					
gccactggta	cagacaatct	ttgaaggtgg	aaaagcaact	tgttttgcat	atggccagac	1140
	aagacacata					
	tatgccatgg					
ccggaagttg	ggcctggaag	tctatgtgac	attettegag	atctacaatg	ggaagetgtt	1320
tgacctgctc	aacaagaagg	ccaagctgcg	cgtgctggag	gacggcaagc	aacaggtgca	1380
agtggtgggg	ctgcaggagc	atctggttaa	ctctgctgat	gatgtcatca	agatgatcga	1440
catgggcagc	gcctgcagaa	cctctgggca	gacatttgcc	aactccaatt	catacagata	1500
ccacgcgtgc	ttccaaatta	ttcttcgagc	taaagggaga	atgcatggca	agttctcttt	1560
ggtagatetg	gcagggaatg	agegaggege	ggacacttcc	agtgctgacc	ggcagacccg	1620
catggagggc	gcagaaatca	acaagagtct	cttagccctg	aaggagtgca	tcagggccct	1680
gggacagaac	aaggeteaca	ccccgttccg	tgagagcaag	ctgacacagg	tgctgaggga	1740
ctccttcatt	ggggagaact	ctaggacttg	catgattgcc	acgateteac	caggcataag	1800
ctcctgtgaa	tatactttaa	acaccctgag	atatgcagac	agggtcaagg	agetgagece	1860
ccacagtggg	cccaqtggaq	agcagttgat	tcaaatggaa	acagaagaga	tggaagcctg	1920
	gcgctgattc					
gatgtccage	tttaacgaag	ccatgactca	gatcagggag	ctggaggaga	aggetatoga	2040
agageteaag	gagatcatac	aggaaggagg	agactggctt	gagetetete	agatgaccga	2100
gcagccagac	tatgacctgg	agacctttgt	gaacaaagcg	gaatgtggtg	tagaccaga	2160
3 3 3						
adccaadcat	ttctcaccc	tocoacatot	catcaaggc	ttacacctaa	ccatgcaget.	2220
	ttctcagccc	tgcgagatgt	catcaaggcc	ttgcgcctgg	ccatgcagct	2220
ggaagagcag	ttctcagccc gctagcagac	tgcgagatgt aaataagcag	catcaaggcc caagaaacgg	ttgcgcctgg ccccagtgac	gactgcaaat	2220 2280
ggaagagcag aaaaatctgt	tteteageee getageagae ttggtttgae	tgcgagatgt aaataagcag acccagcctc	catcaaggcc caagaaacgg ttccctgggc	ttgegeetgg eeceagtgae eeteeecaga	ccatgcaget gactgcaaat gaactttggg	2220 2280 2340
ggaagagcag aaaaatctgt tacctggtgg	ttctcagecc gctagcagac ttggtttgac gtctaggcag	tgcgagatgt aaataagcag acccagcctc ggtctgagct	catcaaggcc caagaaacgg ttccctgggc gggacaggtt	ttgcgcctgg ccccagtgac cctccccaga ctggtaaatg	gactgcaaat gaactttggg ccaagtatgg	2220 2280 2340 2400
ggaagagcag aaaaatctgt tacctggtgg gggcatctgg	ttctcagecc gctagcagac ttggtttgac gtctaggcag gcccagggca	tgcgagatgt aaataagcag acccagcctc ggtctgagct gctggggagg	catcaaggcc caagaaacgg ttccctgggc gggacaggtt gggtcagagt	ttgcgcctgg ccccagtgac cctccccaga ctggtaaatg gacatgggac	ccatgcaget gactgcaaat gaactttggg ccaagtatgg actccttttc	2220 2280 2340 2400 2460
ggaagagcag aaaaatctgt tacctggtgg gggcatctgg tgttcctcag	tteteagece getageagae ttggtttgae gtetaggeag geceaggea ttgtegeeet	tgcgagatgt aaataagcag acccagcete ggtctgaget gctggggagg cacgagagga	catcaaggcc caagaaacgg ttecctgggc gggacaggtt gggtcagagt aggagctctt	ttgcgcctgg ccccagtgac cctccccaga ctggtaaatg gacatgggac agttaccctt	ccatgcaget' gactgcaaat gaactttggg ccaagtatgg actccttttc ttgtgttgcc	2220 2280 2340 2400 2460 2520
ggaagagcag aaaaatctgt tacctggtgg gggcatctgg tgttcctcag cttctttcca	tteteageee getageagae ttggtttgae gtetaggeag geeeagggea ttgtegeeet teaaggggaa	tgcgagatgt aaataagcag acccagcete ggtetgaget getggggagg cacgagagga tgttetcage	catcaaggcc caagaaacgg ttccctgggc gggacaggtt gggtcagagt aggagctctt atagagcttt	ttgegeetgg ecceagtgae ecteeceaga etggtaaatg gacatgggae agttaecett etcegeagea	ccatgcaget gactgcaaat gaactttggg ccaagtatgg actcetttte ttgtgttgce tcctgcctge	2220 2280 2340 2400 2460 2520 2580
ggaagagcag aaaaatctgt tacctggtgg gggcatctgg tgttcctcag cttctttcca gtggactggc	tteteageee getageagae ttggtttgae gtetaggeag geceagggea ttgtegeeet tcaagggaa tgetaatgga	tgcgagatgt aaataagcag acccagcete ggtetgagget gctggggagg cacgagagga tgttetcage gagetccetg	catcaaggcc caagaaacgg ttccctgggc gggacaggtt gggtcaggt aggagctctt atagagcttt gggttgtcct	ttgcgcctgg ccccagtgac cctccccaga ctggtaaatg gacatgggac agttaccctt ctccgcagca ggctctgggg	ccatgcaget gactgcaaat gaactttggg ccaagtatgg actccttttc ttgtgttgcc tcctgcctgc agagagacgg	2220 2280 2340 2400 2460 2520 2580 2640
ggaagagcag aaaaatctgt tacctggtgg gggcatctgg tgttcctcag cttctttcca gtggactggc accetttagt	ttctcagccc gctagcagac ttggtttgac gtctaggcag gcccagggca ttgtcgccct tcaaggggaa tgctaatgga acagctatct	tgcgagatgt aaataagcag acccagcetc ggtetgaget gctggggagg cacgagagga tgttetcagc gagetcectg gctggetcta	catcaaggcc caagaaacgg ttcoctgggc gggacaggtt gggtcagagt aggagctctt atagagcttt gggttgtcct aaccttctac	ttgegeetgg ceceagtgae cetececaga etggtaaatg gacatgggae agttaecett etcegeagea ggetetgggg geetttggg	ccatgcaget gactgcaaat gaactttggg ccaagtatgg actcettte ttgtgttgee tcctgcctge agagagacgg cgaggactga	2220 2280 2340 2400 2520 2520 2580 2640 2700
ggaagagcag aaaaatctgt tacctggtgg gggcatctgg tgttcctcag cttctttcca gtggactggc accetttagt	ttctcagccc gctagcagac ttggtttgac gtctaggcag gcccagggca ttgtcgccct tcaaggggaa tgctaatgga acagctatct	tgcgagatgt aaataagcag acccagcetc ggtetgaget gctggggagg cacgagagga tgttetcagc gagetcectg gctggetcta	catcaaggcc caagaaacgg ttcoctgggc gggacaggtt gggtcagagt aggagctctt atagagcttt gggttgtcct aaccttctac	ttgegeetgg ceceagtgae cetececaga etggtaaatg gacatgggae agttaecett etcegeagea ggetetgggg geetttggg	ccatgcaget gactgcaaat gaactttggg ccaagtatgg actcettte ttgtgttgee tcctgcctge agagagacgg cgaggactga	2220 2280 2340 2400 2520 2520 2580 2640 2700
ggaagagcag aaaaatctgt tacctggtgg gggcatctgg tgttcctcag cttctttcca gtggactggc agcctttagt atgtcttgta gatcctagag	ttetcagece gctageaga ttggtttgac gtetaggeag gcccagggea ttggtegecet tcaaggggaa tgctaatgga acagetatet etttaaaaaa gatecetact	tgcgagatgt aaataagcag accagcetc ggtctgagct gctggggagg cacgagagga tyttctcagc gatggctcta gctggctcta atgtttctga gttttctga	catcaaggcc caagaaacgg ttccctgggc gggacaggtt gggtcagagt aggagetctt gggttgtcct aacottctac gacctctttc ttatgtgttt	ttgggeetgg ceceagtgac ceteceaga ctggtaaatg gacatgggac agttacect ctcggeagca ggetetgggg gcetttgggg tactttactg atacattgta	ccatgcaget gactgcaaat gaactttggg ccaagtatgg actcettte ttgtgttgee tcctgcctge agagagacgg cgaggactga	2220 2280 2340 2400 2520 2520 2580 2640 2700 2760 2820
ggaagagcag aaaaatctgt tacctggtgg gggcatctgg tgttcctcag cttctttcca gtggactggc agcctttagt atgtcttgta gatcctagag	ttctcagccc gctagcagac ttggtttgac gtctaggcag gcccagggca ttgtcgccct tcaaggggaa tgctaatgga acagctatct	tgcgagatgt aaataagcag accagcetc ggtctgagct gctggggagg cacgagagga tyttctcagc gatggctcta gctggctcta atgtttctga gttttctga	catcaaggcc caagaaacgg ttccctgggc gggacaggtt gggtcagagt aggagetctt gggttgtcct aacottctac gacctctttc ttatgtgttt	ttgggeetgg ceceagtgac ceteceaga ctggtaaatg gacatgggac agttacect ctcggeagca ggetetgggg gcetttgggg tactttactg atacattgta	ccatgcaget gactgcaaat gaactttggg ccaagtatgg actcettte ttgtgttgee tcctgcctge agagagacgg cgaggactga	2220 2280 2340 2400 2520 2520 2580 2640 2700
ggaagageag aaaaatctgt tacctggtgg gggcatctgg tgttcctcag cttcttcca gtggactggc agcctttagt atgtcttgta gatcctagag aagagaaaaa	teteagece getageaga ttggtttgae gtetaggeag geceagggea ttgtegecet teaaggggaa tgetaatgga acagetatet etttaaaaaa gatecetaet	tgcgagatgt aaataagcag accagcetc ggtctgagct gctggggagg cacgagagga tyttctcagc gatggctcta gctggctcta atgtttctga gttttctga	catcaaggcc caagaaacgg ttccctgggc gggacaggtt gggtcagagt aggagetctt gggttgtcct aacottctac gacctctttc ttatgtgttt	ttgggeetgg ceceagtgac ceteceaga ctggtaaatg gacatgggac agttacect ctcggeagca ggetetgggg gcetttgggg tactttactg atacattgta	ccatgcaget gactgcaaat gaactttggg ccaagtatgg actcettte ttgtgttgee tcctgcctge agagagacgg cgaggactga	2220 2280 2340 2400 2520 2520 2580 2640 2700 2760 2820
ggaagagagagaaaaaatctgt tacctggtgg gggcatctgg tgttcctcag ttgtcctcag gtggactggc agcctttagt atgtcttgta gatcctagag aagagaaaaa <210> 209	teteagece getageaga ttggtttgae gtetaggeag geceagggea ttgtegecet teaaggggaa tgetaatgga acagetatet etttaaaaaa gatecetaet	tgcgagatgt aaataagcag accagcetc ggtctgagct gctggggagg cacgagagga tyttctcagc gatggctcta gctggctcta atgtttctga gttttctga	catcaaggcc caagaaacgg ttccctgggc gggacaggtt gggtcagagt aggagetctt gggttgtcct aacottctac gacctctttc ttatgtgttt	ttgggeetgg ceceagtgac ceteceaga ctggtaaatg gacatgggac agttacect ctcggeagca ggetetgggg gcetttgggg tactttactg atacattgta	ccatgcaget gactgcaaat gaactttggg ccaagtatgg actcettte ttgtgttgee tcctgcctge agagagacgg cgaggactga	2220 2280 2340 2400 2520 2520 2580 2640 2700 2760 2820
ggaagagcag aaaaatctgt tacctggtgg gggcatctgg tgttcctcag cttcttcca gtggactggc agcctttagt atgtcttgta gatcctagag aagagaaaa <210> 209 <211> 1044	teteagece getageaga ttggtttgae gtetaggeag geceagggea ttgtegecet teaaggggaa tgetaatgga acagetatet etttaaaaaa gatecetaet	tgcgagatgt aaataagcag accagcetc ggtctgagct gctggggagg cacgagagga tyttctcagc gatggctcta gctggctcta atgtttctga gttttctga	catcaaggcc caagaaacgg ttccctgggc gggacaggtt gggtcagagt aggagetctt gggttgtcct aacottctac gacctctttc ttatgtgttt	ttgggeetgg ceceagtgac ceteceaga ctggtaaatg gacatgggac agttacect ctcggeagca ggetetgggg gcetttgggg tactttactg atacattgta	ccatgcaget gactgcaaat gaactttggg ccaagtatgg actcettte ttgtgttgee tcctgcctge agagagacgg cgaggactga	2220 2280 2340 2400 2520 2520 2580 2640 2700 2760 2820
ggaagagcag aaaaatctgt tacctggtgg gggcatctgg tgttcctcag cttctttcca gtggactgc agcctttagt atgtcttgta gatcctagag aagagaaaaa <210> 209 <211> 1044 <212> DNA	ttotoagoco gotagoaga ttggtttgac gtotagoag gcocagggca ttgtogocot tcaagggga acagotatot ctttaaaaaa gtocotact ataaatogo	tgcgagatgt aaataagcag accagcetc ggtctgagct gctggggagg cacgagagga tyttctcagc gatggctcta gctggctcta atgtttctga gttttctga	catcaaggcc caagaaacgg ttccctgggc gggacaggtt gggtcagagt aggagetctt gggttgtcct aacottctac gacctctttc ttatgtgttt	ttgggeetgg ceceagtgac ceteceaga ctggtaaatg gacatgggac agttacect ctcggeagca ggetetgggg gcetttgggg tactttactg atacattgta	ccatgcaget gactgcaaat gaactttggg ccaagtatgg actcettte ttgtgttgee tcctgcctge agagagacgg cgaggactga	2220 2280 2340 2400 2520 2520 2580 2640 2700 2760 2820
ggaagagcag aaaaatctgt tacctggtgg gggcatctgg tgttcctcag cttcttcca gtggactggc agcctttagt atgtcttgta gatcctagag aagagaaaa <210> 209 <211> 1044	ttotoagoco gotagoaga ttggtttgac gtotagoag gcocagggca ttgtogocot tcaagggga acagotatot ctttaaaaaa gtocotact ataaatogo	tgcgagatgt aaataagcag accagcetc ggtctgagct gctggggagg cacgagagga tyttctcagc gatggctcta gctggctcta atgtttctga gttttctga	catcaaggcc caagaaacgg ttccctgggc gggacaggtt gggtcagagt aggagetctt gggttgtcct aacottctac gacctctttc ttatgtgttt	ttgggeetgg ceceagtgac ceteceaga ctggtaaatg gacatgggac agttacect ctcggeagca ggetetgggg gcetttgggg tactttactg atacattgta	ccatgcaget gactgcaaat gaactttggg ccaagtatgg actcettte ttgtgttgee tcctgcctge agagagacgg cgaggactga	2220 2280 2340 2400 2520 2520 2580 2640 2700 2760 2820
ggaagagcag aaaaatctgt tacctggtgg gggcatctgg tgttcctcag cttcttcca atggaatggc agcctttagt agatcctagag aatgagaaaaa <210> 209 <211> 1044 <212> DNA <213> Homo	ttotoagoco gotagoaga ttggtttgac gtotagoag gcocagggca ttgtogocot tcaagggga acagotatot ctttaaaaaa gtocotact ataaatogo	tgcgagatgt aaataagcag accagcetc ggtctgagct gctggggagg cacgagagga tyttctcagc gatggctcta gctggctcta atgtttctga gttttctga	catcaaggcc caagaaacgg ttccctgggc gggacaggtt gggtcagagt aggagetctt gggttgtcct aacottctac gacctctttc ttatgtgttt	ttgggeetgg ceceagtgac ceteceaga ctggtaaatg gacatgggac agttacect ctcggeagca ggetetgggg gcetttgggg tactttactg atacattgta	ccatgcaget gactgcaaat gaactttggg ccaagtatgg actcettte ttgtgttgee tcctgcctge agagagacgg cgaggactga	2220 2280 2340 2400 2520 2520 2580 2640 2700 2760 2820
ggaagagcag aaaaatctgt tacctggtgg gggcatctgg tgttcctcag cttectcag acctttagt atgcctttagt atgccttagt aagagaaaaa <110> 209 <211> 1044 <212> DNA <213> Homo	ttotoagoco gotagoaga ttggtttgac gtotaggoag gocoagggca ttgtogocot toaagggga tgctaatgga acagctatot otttaaaaaa gatocotaot ataaatoago	tgcgagatgt aaataagcag accagcetc ggtctgagct gctggggagg cacgagagga tyttctcagc gatggctcta gctggctcta atgtttctga gttttctga	catcaaggcc caagaaacgg ttccctgggc gggacaggtt gggtcagagt aggagetctt gggttgtcct aacottctac gacctctttc ttatgtgttt	ttgggeetgg ceceagtgac ceteceaga ctggtaaatg gacatgggac agttacect ctcggeagca ggetetgggg gcetttgggg tactttactg atacattgta	ccatgcaget gactgcaaat gaactttggg ccaagtatgg actcettte ttgtgttgee tcctgcctge agagagacgg cgaggactga	2220 2280 2340 2400 2520 2520 2580 2640 2700 2760 2820
ggaagagcag aaaaatctgt tacctggtgg gggcatctgg tgttcctcag gtttctcca atggactggc agoctttagt atgtcttgta gatcctagag azggaaaaa <210> 209 <211> 1044 <212> DNA <213> Homo <221> misc, sings misc,	ttctcagccc gctagaagac ttggtttgac gtctaggaag gccagggaa ttgtcagggaa tgctaatgga acagctatct ctttaaaaaa gatcoctact ataaatcagc sapiens	tgogagatgt aaataagoag accoagocte ggtotgaget gctggggagg cacgaggag cacgaggagg gagctocotg gotgoctota atgtttotga tgttttotgt tgtttaagtg	catcaaggcc caagaaacgg ttccctgggc gggacaggtt gggtcagagt aggagetctt gggttgtcct aacottctac gacctctttc ttatgtgttt	ttgggeetgg ceceagtgac ceteceaga ctggtaaatg gacatgggac agttacect ctcggeagca ggetetgggg gcetttgggg tactttactg atacattgta	ccatgcaget gactgcaaat gaactttggg ccaagtatgg actcettte ttgtgttgee tcctgcctge agagagacgg cgaggactga	2220 2280 2340 2400 2520 2520 2580 2640 2700 2760 2820
ggaagagcag aaaaatctgt tacctggtgg gggcatctgg tgttcctcag gtttctcca atggactggc agoctttagt atgtcttgta gatcctagag azggaaaaa <210> 209 <211> 1044 <212> DNA <213> Homo <221> misc, sings misc,	ttotoagoco gotagoaga ttggtttgac gtotaggoag gocoagggca ttgtogocot toaagggga tgctaatgga acagctatot otttaaaaaa gatocotaot ataaatoago	tgogagatgt aaataagoag accoagocte ggtotgaget gctggggagg cacgaggag cacgaggagg gagctocotg gotgoctota atgtttotga tgttttotgt tgtttaagtg	catcaaggcc caagaaacgg ttccctgggc gggacaggtt gggtcagagt aggagetctt gggttgtcct aacottctac gacctctttc ttatgtgttt	ttgggeetgg ceceagtgac ceteceaga ctggtaaatg gacatgggac agttacect ctcggeagca ggetetgggg gcetttgggg tactttactg atacattgta	ccatgcaget gactgcaaat gaactttggg ccaagtatgg actcettte ttgtgttgee tcctgcctge agagagacgg cgaggactga	2220 2280 2340 2400 2520 2520 2580 2640 2700 2760 2820
ggaagagcag aaaaatctgt tacctggtgg gggcatctgg tgttcctcag ggttttcccag tggactggc agcetttagt atgtcttgat atgtcttgta gatcatggaagaaaa <210> 209 <211> 1044 <212> DNA <213> Homo <221> misc, <223> Incy	ttctcagccc gctagaagac ttggtttgac gtctaggaag gccagggaa ttgtcagggaa tgctaatgga acagctatct ctttaaaaaa gatcoctact ataaatcagc sapiens	tgogagatgt aaataagoag accoagocte ggtotgaget gctggggagg cacgaggag cacgaggagg gagctocotg gotgoctota atgtttotga tgttttotgt tgtttaagtg	catcaaggcc caagaaacgg ttccctgggc gggacaggtt gggtcagagt aggagetctt gggttgtcct aacottctac gacctctttc ttatgtgttt	ttgggeetgg ceceagtgac ceteceaga ctggtaaatg gacatgggac agttacect ctcggeagca ggetetgggg gcetttgggg tactttactg atacattgta	ccatgcaget gactgcaaat gaactttggg ccaagtatgg actcettte ttgtgttgee tcctgcctge agagagacgg cgaggactga	2220 2280 2340 2400 2520 2520 2580 2640 2700 2760 2820
ggaagagcag aaaaatctgt tacctggtgg gggcatctgg tgttcctcag tggactggc agcctttagt agtcttgta	ttotoagoco gotagoaga ttggtttgac gtotagoag gocoagggca ttgtegocot teaagggaa tagtaatgga acaggtatat ttttaaaaa gatocotaact ataaatcagc sapiens feature te ID No: 2-	tgcgagatgt aaataagcag acccagectc gytctgagct gytctgagct gctgggagg cacgagaga tgttctcagc gagctcctg gctggctcta atgtttctg tttttagt tgtttaagtg 47515.1	catcaaggcc caagaaacg ttccctgggc gggacaggtt gggtcagagtt aggsgctctt atagagctctt aggttgtcct aacctcttac ttatgtgttt tgtgggaaaaa	ttgcgoctgg coccagtyac coccagyac cotgctaaatg gacatgggac agttacoctt ctccgcagca ggctctgggg gctttgggg gctttgggt tactttactgat atacaatgta aaaaa	coatgagget' gactgoaaat gaacttiggg ccaagtatig actoottttge ttytyttge tcttyectge agagaagag egagaactga tctcoctaga tgtaacaata	2220 2280 2340 24400 2460 2580 2640 2760 2865
ggaagagcag aaaaatctyt tacctygtyg gggcatctyg tyttoctcag gtgyactgre agcetttagt atgtcttgta atgtcttgta agatcctaga aagagaaaa <210> 209 <211> 1044 <212> DNN <213> Homo <220> <221> misc, <223> Incy <400> 209 ggaggggcgt	ttotcagoco gotagaaga ttggtttgac gtotaggoag gocoagggoa ttgtogcoot toaaggggaa tcgtaatgga acagotatot ctttaaaaaa gatocotact ataaatcagc sapiens feature te ID No: 2. ggcoggcogt	tgogagatgt aaataagoag aocoagocto gytotgagot gytotgagot gotgggagg cacgagagga tgttotcag gagotocot gotggcteta atgtttctga gttttctgt tgtttaagtg 47515.1 ggggcaatgc	catcaaggcc catcaaggct caagaaacg ttccctggg tggtcagagt gggtcagagt aggagctct atagagctct atagagctct actctctc tacttctc ttatgtgttt tgttggaaaaa	ttgcgoctgg coccagigac coccagigac cotgctaaatg gacatgggac agttaccett ctccgcagca ggotttgggg gotttgggg tactttactg atacattgta aaaaa	coatgaggot' gactgoaaat gaactttggg ccaagtatgg actcotttte ttgtgttgc tcctgoctgc agagagagg cgagaactga tctcoctaga tgtaacaata	2220 2280 2340 24400 2520 2520 2520 2700 2700 2865
ggaagagcag aaaaatctgt tacctggtgg gggcatctgg tgttactcag gtgtatcttgtagtagtcttgtagtatgtcttgta atgtcttgta agtcttagta gatcctagag aagagaaaaa <210> 209 <211> 1044 <212> DNA <213> Hom <220> <221> misc, <223 Incy <400> 209 ggaggggct	ttotcagoco gotagoaga ttggtttgac gtotagoag gocagggga ttgttgec ttgtegocot toaagggga acaggtatot ctttaaaaaa gatoctact ataaatoagc sapiens feature te ID No: 2. ggcoggeogt gcacggaggg	tgogagatgt aaataagoag aocoagocte gytotgagog gytotgagoag gagotocotg gagogagog atgttetoago gagotocotg gotggeteta ttttetgat tgtttaagtg 47515.1 ggggcaatgc ggggcaatgc gcagagacoc	catcaaggcc catcaaggct tccctggg ttccctggg gggacaggtt gggtcagagt gggtcagagt gggtcat gagtggctct atgatgtcc aaccttcta ttatgtgtt ttgtggaaaaa	ttgcgoctgg coccagytgac coccagytgac cotgctaaatg gacatgggac agttacoctt ctccgcagca ggoctttgggg catttgggg tactttgagg atacattgta aaaaa cagcacaggg gcccacacat	coatgeaget: gactgeaaat gaactttggg coaagtatgg actootttte ttgtgttge tootygotge agagagacgg ogagactga tetooctaga tgtaacaata	2220 2280 2340 24400 24520 2520 2700 2760 2865
ggaagagcag aaaaatctyt tacctygtyg gggcatctyg tyttoctcag gtgtatctyg atgttottcag agatcttagta agatctagag aagagaaaa <210> 209 <211> 1044 <212> DNA <213> Homo <220> <221> misc, <223> Incy <400> 209 ggagggcgct agccgggcgg ggcggactgg	ttotcagcoc gotagcagac ttggtttgac gtotaggcag gcocagggca tcaagggaa tgctaatgga acagctatca ctttaaaaaa gatcoctact ataaatcagc sapiens feature te ID No: 2. ggcoggcggt gcacggaggg gcacggaggg	tgcgagatgt aaataagcag accoagcetc gytctgagc gotggagg gotggagg gagctccctg gagctccctg gttttctga tgtttctga tgtttctga tgtttctgt tgtttaagtg 47515.1 ggggcaatgc gcagagacce cctggcctgt	catcaaggcc caagaaacg ttocotggg tgggacaggtt gggtcagagt agggacaggtt gggtcagagt tgggtcatgt tgggttgtcat aacctctac gacctcttc tgggttgtcat tatgtgtt tgggaaaaa aacggcctcc cggaagccca gtcctgccgg	ttgggctgg coccagtygac cotcacagaa ctggtaaatg gacattgggac atteggac gctttgggc tactttaggg tactttgggc tactttagtg atacattgta aaaaa cagcacaggg gcccaccacat cagcacaggg	ccatgaggt; gactgaaat gaacttiggg ccaagatiga actocttito coctga gaggagacgg gagactga tctccctaga tgtaacaata cctataagagg gaccctagg	2220 2280 2340 24400 2520 2520 2760 2760 2760 2865
ggaagagaga gaaaatctyt taactygtyg gggcatctyg gggcatctyg gtttectaga gatcettagta agacettggta agagagaaaa <210> 209 <211> 1044 <212> DNN <213> Homo <221> misc <223> Incy dagagagaga	ttotcagoco gotagaaga ttggtttgac gtotaggaag gocaggggaa ttgttgecot toaaggggaa tegttatgga acagotatot attaaaaaa gatocotact ataaatoagc sapiens feature te ID No: 2. ggcaggagg gcgttetttt ggaagattgtt	tgogagatgt aaataagoag aocoagocte gytotgagag gytotgagagag aggagaga tgttetoage gagagocog tgetggetgg tgttetoag gttttetgg ttgtttaagtg 47515.1 ggggaaatge geagagacoc cetegeetgt	catcaaggcc catcaaggct caagaaacg ttcoctggge gggacaggtt gggtcagagt gggttgtcot aacgtttcot aacctttc ttatgtgtt tgggtagaaaa aacggcctc cggagccca gtcttccgggagccca gtcttcgggagccca	ttgogoctgg cocoagyigac cocoagyigac cotgctaaatg gacatgggac agotettgggg goctttgggg tactttgggg tactttgggg aaaaa cagcacaggg goccacacat cettgetggt	ccatgagget; gactgaaat gaactttggg ccaagtatgg actootttte ttgtgttgc toctyoctge agagagacgg ogagactga tctooctaga tgtaacaata ctaataagagg gacctcggc ggggggaeac gggggggaeac ggcgtggggaeac	2220 2280 2340 24400 2520 2580 2700 2760 2760 28865
ggaagagcag aaaaatctyt tacctgytyg gggcatctyg tyttectcag gtgyactgre agcetttagt atgtettgta agatectagag aagagaaaa <210> 209 <211> 1044 <212> DNA <213> Homo <220> <221> mise, <223> Incy <400> 209 ggagggcget agceggegg ggcgacteg	ttotcagocs gotagoagac ttggtttgac goccagggca goccagggca tdasagocaca tgetaatgga acagotatc ttttaaaaaa gatcoctact ataaatcagc sapiens feature te ID No: 2. ggceggcgt gcacggaggg ggtgtctttt cggagattgt	tgogagatgt aaataagoag aocoagocto gotoggagag caogagagag caogagagaga caogagagaga caogagagaga gotocotg tgtttotga tgtttotga tgtttaagtg 47515.1 ggggaatge gaagacoc cotogectgt gggggagagacag agggcaattc aggcaacttc	catcaaggcc caagaaacg ttcoctggg gggacaggt gggtcagagt agggacaggt gggttsgtcot aaccttcta gacttcta gactctt tgggttgtcot aacctcttc gggttgtcot aacctcttc cagactctt tgggaaaaa a acggcctc ggagaccca gtcctgccg ggagccggg ggagcgggg	ttgggctgg ccccagfygac cctcccaga ctggtaaatg gacatgggac agttacceta ggctctgugg catttagug tactttagug tactttagug tacatttgaa aaaaa cagcacaggg gcccacaat ccttgctgc ccagcacgggt	ccatgagget; gactgaaat gaacttiggg ccaagatiga actofttict tiggtbugg agagagg guagagg guagactga tctcctaga tgtaacaata ctataagagg gacctugg gacctugg gacctugg gacctcctgg ggggggaac	2220 2280 2340 23400 2520 2580 27520 27520 2825 60 120 180 2300
ggaagagaga gaaaatctgt tacctggtgg gggcatctgg tgttectcag gtggacttgc ttectag atgcctagaa aatgcctagaa aagagaaaa a210> 209 <211> 1044 <212> DNA <213> Homo <222> misc <222> misc <223> Incy gaagagagaa aagagagaaa aagagagaaa aagagagaaa aagagagaaa aagagagaaa aagagagaaa aagagagaaa aagagagaaa aagagagaaa aagagagaaa aagagagaaa aagagagaaaa aagagagaaaa aagagagaaaa aagagagaaaa aagagagaaaa aagagagaaaaaa	ttotcagoco gotagagaa ttggtttgac gtotaggaa gotaggaa ttgtcgcot tcaaggggaa caggtatot ttttaaaaaa gatoctact ataaatcagc sapiens feature te ID No: 2. ggcgggag ggtgtctttt ggagagttg agetgcgcactg agetgcgcactg gcggaattg agetgcactg	tgogagatgt aaataagoag accoagcete gytotgagag gytotgagagg gagatocotg gotggatga gagttoctag gagatcoctg gotggeteta ttttctgtt tgtttaagtg 47515.1 ggggaaatge ggagaaccc cctegcetg agggecactte ggtgggaat	catcaaggcc catcaaggct caagaaacg ttcoctggg gggcaggt gggtcagagt gggttgtoct aacgttttoct aacctttc ttatgtgttt tgtggaaaaa aacggcctcc cggagcccca gtcctgccg ggagcgccca gtactgcgg	ttgggottgg coccaggag cotoccagga ctggtaaatg gacatgggac ggotttggg gotttgggg catttagtg atacattgta aaaaa cagcacaggg gcccacaat cttgetgct cccaggagcd cccaggagg gcccacaat ccttgetgct cccaggagg cccqatggt	ccatgagget; gactgoaaat gaactttggg actactttggt actacttttge ttgtgttge tcotypoctge agagagacgg ogagactga tctocctaga tgtaacaata ctataagagg gacctcgge ggggggaeae ggcgtggggaeae gecettaatg gccaactte gccaactte ggtgtectg	2220 2280 2340 2460 2520 2580 2760 2760 2865
ggaagagcag aaaaatctyt tacctgytyg gggcatctyg tgttectcag gtggaatggc atctttact agatcctagra aagagaaaaa <210> 209 <211> 1044 <212> DNA <213> Homo <220> <221> misc <223> Incy <400> 209 ggagggggct agccggggg ggcgaatcg ggcggactgg	ttotcagocs gotagoagac ttggtttgac gtotagoag goccagggoa ttggtggac ttgatggoad ttgatggoad acagotatot ctttaaaaaa gatcoctact ataaatcago sapiens feature to ID No: 2. ggcoggogt gcacggaggg gdgtctttt cggagattgg cgcgcactg acctetegog	tgogagatgt aaataagoag aocoagocte gytotgagog gytotgagog caogagaga tgoctoago tgotgoagag tgoctoago tgotgotota atgtttetga tgtttetgt tgtttaagtg 47515.1 gygoaatge paagacoc cetegectgt gygyggeegg aggecaette cgtgggagacete ggggagacete gggggagceg	catcaaggcc catcaaggct caagaaacgt ttcctggg gggacaggt gggtcagagt aggagctct aggagctct aggagctct aggagctct tagcttctaa gacctcttt tgggaaaaa aacggcetcc cggagcccag cgagcgcgg cgagcggcg tgcggcag taccggagag	ttgggctgg ccccagfygac cctcccaga cagtaccett cccggtagatgg cctgtagag gacattggac tactttagag tactttagag tactttagag tacattgaa aaaaa cagcacagg gcccacacat ccttgctgc cccgattgg gccctgattgg gcccacacat ccttgctgc cccgattgg gcccqgtgg gcccqgtgg gcccqgtgg ggttggcg gttggcg	ccatgagget: gactgaaat gaacttiggg ccaagtatig actoottttc ttgcttgc ttgcttgc tagaggagactga tctccctaga tgtaacaata ctacaaaaa caaaaaaaaaa	2220 2280 2340 2400 2520 2580 2700 2700 2820 2865
ggaagagaga gaaaatctyt tacctgyfyg gggcatctyg tyttectcag gtggaatctyg tyttectcag atgecttagta atgecttagta aatgectagag aagagaaaa <210> 209 <211> 1044 <212> DNA <213> Homo <222> misc <222> misc <223> Incy degagagagagagagagagagagagagagagagagagaga	ttotcagoco gotagagaa ttggtttgac gotagagaa ttgttgac ttgtagcac ttgatagaa gotacatggaa acagotatot attaaaaaa gatooctact ataaatoagc sapiens feature te ID No: 2. ggccggagga ggtgtetttt ggagagttgt agttgagag agtgtetttt agttgagaga actggaattg agttgagaga gcgacttgagaga gcgacactg gcacactg gcacactg gcacactg gcacactg gctacacacac gcacacacacacacacacacacacacacaca	tgogagatgt aaataagoag accoagcete gytctgagog gytctgagog gagatocotg gotggagag tgttctcag gagatcocotg gotggctcta stgtttctgt tgtttaagtg 47515.1 ggggcaatge ggagacce cetegectg agggcactte egtgggaga gggggagca egtgggagac egtaaatte gggggggagac egtaaatte ggggggggac egtaaatte ggggggggca	catcaaggcc catcaaggct caagaaacg ttcctggg gggcaggtt gggtcagagt gggttgtcot aacgtttt ttatgtgttt tgtggaaaaa aacggcctcc cggagccca gtctgcgg ggagcggg tgggggcca gtagagcggc tgcggggcca caccgggagccca gtagacgtc	ttgggctgg cccaggagaa cctoccagaa ctggtaaatg gacatgggac ggctttgggg catttgggg cattttgggg cattttgggg catttgggg gcctttgggg gcccacaat cctgctgctgccctgattgc cctgattgc gcggggtggg ggtgggtggt	ccatgagget; gactgoaaat gaactttggg actoottttg ccaagtatgg actootttte ttytgttgo tcotygotge agagagacgg ogagactga tctooctaga tgtaacaata ctaataagagg gaccotegge ggggggeace gcccttaatg gccaacttc gtggtcctg gcaggcgatc gcaggcact ccagctcaac	2220 2340 2400 2520 2520 2520 2760 2820 2865
ggaagagaga gaaaatctyt tacctgyfyg gggcatctyg tyttectcag gtggaatctyg tyttectcag atgecttagta atgecttagta aatgectagag aagagaaaa <210> 209 <211> 1044 <212> DNA <213> Homo <222> misc <222> misc <223> Incy degagagagagagagagagagagagagagagagagagaga	ttotcagocs gotagoagac ttggtttgac gtotagoag goccagggoa ttggtggac ttgatggoad ttgatggoad acagotatot ctttaaaaaa gatcoctact ataaatcago sapiens feature to ID No: 2. ggcoggogt gcacggaggg gdgtctttt cggagattgg cgcgcactg acctetegog	tgogagatgt aaataagoag accoagcete gytctgagog gytctgagog gagatocotg gotggagag tgttctcag gagatcocotg gotggctcta stgtttctgt tgtttaagtg 47515.1 ggggcaatge ggagacce cetegectg agggcactte egtgggaga gggggagca egtgggagac egtaaatte gggggggagac egtaaatte ggggggggac egtaaatte ggggggggca	catcaaggcc catcaaggct caagaaacg ttcctggg gggcaggtt gggtcagagt gggttgtcot aacgtttt ttatgtgttt tgtggaaaaa aacggcctcc cggagccca gtctgcgg ggagcggg tgggggcca gtagagcggc tgcggggcca caccgggagccca gtagacgtc	ttgggctgg cccaggagaa cctoccagaa ctggtaaatg gacatgggac ggctttgggg catttgggg cattttgggg cattttgggg catttgggg gcctttgggg gcccacaat cctgctgctgccctgattgc cctgattgc gcggggtggg ggtgggtggt	ccatgagget; gactgoaaat gaactttggg actoottttg ccaagtatgg actootttte ttytgttgo tcotygotge agagagacgg ogagactga tctooctaga tgtaacaata ctaataagagg gaccotegge ggggggeace gcccttaatg gccaacttc gtggtcctg gcaggcgatc gcaggcact ccagctcaac	2220 2340 2400 2520 2520 2520 2760 2820 2865

```
ctgggcaacg gggtgcagtg cctggccatg ggctggggcc ttctgggcag gaaccgtggg 600
ategocageg teetgeagga geteaaegtg aeggtggtga egteetetg eegtegeage 660
aacgtctgag ctctcgtgag gggccggaag gccggcgtct gtttcgggga ctccggaga 730
cecttggtct gcaacgggct aatccacgga attgctcct tcgtccgggg agctgcgcc 780
tcagggctct accccgatgc ctttgcccg gtggcacagt ttgtaaactg gatcgatct 840
atcatccaac gctccgagga caacccctgt cccacccc gggaccogga cccggccago 900
aggacccact gagaaggget geeegggtea ceteagetge ecacaccac actetecage 960
atctggcaca ataaacattc tetgttttgt agaatgtgtt tgatgeteet tggetgtgtg 1020
attgggtgtt gaaaatggte agta
<210> 210
<211> 1505
<212> DNA
<213> Homo sapiens
<221> misc feature
<223> Incvte ID No: 199471.2
caggaagget gagagaaagg geaggteeee getgegtggg getgggetta aaggetegte 60 gegeetgeea aaggacetga egaegtgetg egtegttaet tittgaaaege titggegggga 120
actuatetta gagaagatat agttaatata ereggagtag aagaacata attitattia 180
tgtecctgge catggegetg cagetetee gggageaggg albeacectg egegggageg 240 eegaaategt ggeogagtte teteatteg coateaacag attitatat eagegtgega 300 tatatoate tgaaacettt actegagtge agaaataegg acteacettg ttgtaacta 360
ctgatcttga gctcataaaa tacctaaata atgtggtgga acaactgaaa gattggttat 420
acaagtgttc agttcagaaa ctggttgtag ttatctcaaa tattgaaagt ggtgaggtcc 480
tggaaagatg gcagtttgat attgagtgtg acaagactgc aaaagatgac agtgcaccca 540
gagaaaagte teagaaaget ateeaggatg aaateegtte agtgateaga cagateacag 600 etaeggtgae atttetgeea etgttggaag tttettgtte atttgatetg etgattata 660
cagacaaaga tttggttgta cetgaaaaat gggaagagte gggaccacag tttattacca 720
attetgagga agtecgeett egtteattta etaetaeaat ceacaaagta aatageatgg 780
tggoctacaa aattoctgtc aatgactgag gatgacatga ggaaaataat gtaattgtaa 840
ttttgaaatg tggttttect gaaatcaggt catctatagt tgatatgttt tatttcattg 900
gttaattttt acatggagaa aaccaaaatg atacttactg aactgtgtgt aattgttect 950
tttatttttt togtacctat ttgacttacc atggagttaa catcatgaat ttattgcaca 1020
ttgttcaaaa ggaaccagga ggtttttttg tcaacattgt gatgtatatt cctttgaaga 1080
tagtaactgt agatggaaaa acttgtgcta taaagctaga tgctttccta aatcagatgt 1140
tttggtcaag tagtttgact cagtataggt agggagatat ttaagtataa aatacaacaa 1200
aggaagteta aatatteaga atetttgita aggteetgaa agtaaeteat aatetataaa 1260
caatgaaata tigotgtata gotcottttg accttcattt catgtatagt tttccctatt 1320
gaatcagttt ccaattattt gactttaatt tatgtaactt gaacctatga agcaatggat 1380
attigtacig titaaigtic igigatacag aacictiaaa aatgittitt caigigiitti 1440
taaaa
                                                                                  1505
<210> 211
<211> 1211
<212> DNA
<213> Homo sapiens
<221> misc_feature
<223> Incyte ID No: 2916753
<221> unsure
<222> 715
<223> a, t, c, g, or other
tggcccgtgg cctagetcgt caagttgccg tggcgcggag aactctgcaa aacaagaggc 60
tgaggattge gttagagata aaccagttea egeeggagee eegtgaggga agegteteeg 120
ttgggtccgg ccgctctgcg gggactctga ggaaaagctc gcaccaggtg gacgcggatc 180
tgtcaacatg ggtaaaggag accccaacaa geegeggggc aaaatgteet egtaegeett 240
cttegtgeag acctgeeggg aagageacaa gaagaaacac eeggactett eegteaattt 300
```

```
egeggaatte teeaagaagt gtteggagag atggaagaee atgtetgeaa aggagaagte 360
gaagittgaa gatatggcaa aaagtgacaa agctcgctat gacagggaga tgaaaaatta 420
cgttectoce aaagatetge ettetteetg ttttgetetg aacategeec aaagateaaa 480 agtgaacace etggeetate cattggggat actgeaaaga aattgggtga aatgtggtet 540
gagcagtcag ccaaagataa acaaccatat gaacagaaag cagctaagct aaaggagaaa 600
tatgaaaagg atattgctgc atategtgcc aagggcaaaa gtgaagcagg aaagaagggc 660
cetggeagge caacaggete aaagaagaag aacgaaccag aagatgagga ggagnaggag 720
gaagaagaag atgaagatga ggaggaagag gatgaagatg aagaataaat ggctatcett 780
taatgatgeg tgtggaatgt gtgtgtgtgc tcaggcaatt attttgctaa gaatgtgaat 840
tcaagtgcag ctcaatacta gettcagtat aaaaactgta cagatttttg tatagctgat 900
aagattetet gtagagaaaa taettttaaa aaatgeaggt tgtagetttt tgatgggeta 960
ctcatacagt tagattttac agcttctgat gttgaatgtt cctaaatatt taatggtttt 1020
tttaatttet tgtgtatggt agcacagcaa acttgtagga attagtatca atagtaaatt 1080
ttgggttttt taggatgttg catttegttt ttttaaaaaa aattttgtaa taaaattatg 1140-
tatattattt ctattgtctt tgtcttaata tgctaagtta attttcactt taaaaaagec 1200
atttgaagac c
<210> 212
<211> 3045
<212> DNA
<213> Homo sapiens
-22A-
<221> misc feature
<223> Incyte ID No: 343899.2
<400> 212
tgtcgaggag tgccagtcac cttcagtttc tggagctggc cgtcaacatg tcctttccta 60
aggegeeett gaaacgatte aatgaceett etggttgtge accateteea ggtgettatg 120
atgttaaaac tttagaagta ttgaaaggac cagtateett teagaaatea caaagattta 180
aacaacaaaa agaatctaaa caaaatctta atgttgacaa agatactacc ttgcctgctt 240
cagctagaaa agttaagtct toggaatcaa agaaggaatc toaaaagaat gataaagatt 300
tgaagatatt agagaaagag attegtgtte ttetacagga acgtggtgee caggacagge 360
ggatccagga tetggaaact gagttggaaa agatggaage aaggetaaat getgeactaa 420
gggaaaaaac atetetetet geaaataatg etacactgga aaaacaactt attgaattga 480
ccaggactaa tgaactacta aaatctaagt tttctgaaaa tggtaaccag aagaatttga 540
qualitictang citiggagttg atquaactta quaacaaaag agaaacaaag atqaggggta 600
tgatggctaa gcaagaaggc atggagatga agctgcaggt cacccaaagg agtctcgaag 660
agtotoaagg gaaaatagoo caactggagg gaaaacttgt ttoaatagag aaagaaaaga 720
ttgatgaaaa atotgaaaca gaaaaactot tggaatacat cgaagaaatt agttgtgott 780
cagatcaagt ggaaaaatac aagctagata ttgcccagtt agaagaaaat ttgaaagaga 840
agaatgatga aattttaagc cttaagcagt ctcttgagga gaatattgtt atattatcta 900
aacaagtaga agatctaaat gtgaaatgte agetgettga aaaagaaaaa gaagaccatg 960 tcaacaggaa tagagaacac aacgaaaate taaatgcaga gatgcaaaac ttaaaacaga 1020
agtttattct tgaacaacag gaacqtgaaa agcttcaaca aaaagaatta caaattgatt 1080
cacttetgea acaagagaaa gaattatett egagtettea teagaagete tgttetttte 1140
aagaggaaat ggctaaagag aagaatctgt ttgaggaaga attaaagcaa acactggatg 1200
agettgataa attacagcaa aaggaqqaac aagetgaaag qetggtcaag caattggaag 1260
aggaagcaaa atctagagct gaagaattaa aactcctaga agaaaagctg aaagggaagg 1320
aggetgaact ggagaaaagt agtgetgete ataeceagge caccetgett ttgcaggaaa 1380
agtatgacag tatggtgeaa ageettgaag atgttaetge teaatttgaa agetataaag 1440
cottaacage cagtgagata gaagatetta agetggagaa etcateatta caggaaaaag 1500
cggccaaggc tgggaaaaat gcaqaggatg ttcaqcatca gattttggca actgagagct 1560
canatcanga atatgtangg atgettetag atetgengae canatcanga etananggana 1620
cagaaattaa agaaatcaca gittottito ticaaaaaat aactgatitg cagaaccaac 1680 tcaagcaaca ggaqgaagac titagaaaac agotggaaga tgaagaagga agaaaagctg 1740
aaaaagaaaa tacaacagca gaattaactg aagaaattaa caagtggcgt ctcctctatg 1800
aagaactata taataaaaca aaaccttttc agctacaact agatgctttt gaagtagaaa 1860
aacaggcatt gttgaatgaa catggtgcag ctcaggaaca gctaaataaa ataagagatt 1920
catatgctaa attattgggt catcagaatt tgaaacaaaa aatcaagcat gttgtgaagt 1980
tgaaaqatqa aaatagccaa etcaaategq aaqtatcaaa acteegetqt cagettgeta 2040
aaaaaaaaaa aagtgagaca aaacttcaag aggaattgaa taaagttcta ggtatcaaac 2100
actttgatec ttcaaagget tttcatcatg aaagtaaaga aaattttgee etgaagaeee 2160
cattaaaaga aggcaataca aactgttacc gagctcctat ggagtgtcaa gaatcatgga 2220
agtaaacate tgagaaacet getgaagatt attreatteg tettigetget attgatigtig 2280 elgetattat attgacatg ggiatittat aatgtigetat traattata etgecaatec 2340 ttaaatatgt gaaaggaaca tittitacea aaggietett igaeatitta tittitetig 240
```

```
caaatacctc ctccctaatg ctcaccttta tcacctcatt ctgaaccctt tcgctggctt 2460
tecagettag aatgeatete ateaaettaa aagteagtat eatattatta teeteetgtt 2520
ctgaaacctt agtttcaaga gtctaaaccc cagattcttc agcttgatcc tggaggtctt 2580
ttotagtetg agettettta getaggetaa aacacettgg ettgttattg cetetaettt 2640 gattetgata atgeteaett ggteetaeet attateette taettgteea gtteaaataa 2700
gaaataagga caagcetaac ticatagaaa cetetetatt tttaateagt totttaataa 2760
tttacaggtt cttaggctcc atcotgtttg tatgaaatta taatotgtgg attggccttt 2820
aagcotgcat tottaacaaa ctottcagtt aattottaga tacactaaaa atctgagaaa 2880
ctctacatgt aactatttct tcagagtttg tcatatactg cttgtcatct gcatgtctac 2940
teageatttg attaacattt gtgtaatatg aaataaaatt acacagtaag teatttaaaa 3000
<210> 213
<211> 3023
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 335775.2
<220>
<221> unsure
<222> 2895, 2897, 2952, 2969
<223> a. t. c. g. or other
<400> 213
egegageagg agaeggegge ggeggaace etgetgggee tecagteace etegtettge 60
attitecege gigegigigi gagigggigi gigigitite tiacaaaggg tattitegega 120
tegategati gattegiagi teeceeeege gegeettige cettigigi giaategage 180
tecegecate ceaggtgett eteegtteet etaaaegeea gegtetggae gtgagegeag 240
gtegeeggtt tgtgcetteg gteeeegett egeeecetge egteeeetee ttateaeggt 300
cocgetegeg geetegeege cocgetgtet cogecgeegg ceatggegae tgegaccece 360
gtgeegeege ggatgggeag eegegetgge ggeeceacea egeegetgag eeecaegege 420
ctgtcgcggc tccaggagaa ggaggagctg cgcgagctca atgaccggct ggcggtgtac 480
atcgacaagg tgcgcagcct ggagacggag aacagcgcgc tgcagctgca ggtgacggag 540
cgcgaggagg tgcgcggccq tqagctcacc qgcctcaaqg cgctctacga gaccgaqctg 600
geogacyge gaegogyet cyacyacaacy geogacyga goccaagot gagacyag 660
ctygygcaagt gocagogya acacyaccag ctyctcotca actatyctaa gaagyaatot 720
gatottaaty gogoccagat caagottoga gatayaaya cagoactyaa ttogaaaya 730
gcagetettg etactgeact tggtgacaaa aaaagtttag agggagattt ggaggatetg 840
aaggatcaga ttgcccagtt ggaagcctcc ttagctgcag ccaaaaaaaca gttagcagat 900
gaaactttac ttaaagtaga tttggagaat cgttgtcaga geettactga gtacttgag 900
tttcgcaaa gocattatga gaggagat aacgagacca gaaggaagca tgaaacgcg 1020
ttggtagagg tggattctga gegtcaaat aacgagacca gaaggaagca tgaaacgcgc 1020
catgagatga gagagcaaca tgatgcccaa gtgaggctgt ataaggagga gctggagcag 1140
acttaccatg ccaaacttga gaatgccaga ctgtcatcag agatgaatac ttctactgtc 1200
aacagtgcca gggaagaact gatggaaagc cgcatgagaa ttgagagcct ttcatcccag 1260
ctttctaatc tacagaaaga gtctagagca tgtttggaaa ggattcaaga attagaggac 1320
ttgcttgcta aagaaaaaga caactctcgt cgcatgctga cagacaaaga gagagagatg 1380
geggaaataa gggateaaat geageaacag etgaatgaet atgaacaget tettgatgta 1440
aagttageee tggacatgga aatcagtget tacaggaaac tettagaagg cgaagaagag 1500
aggttgaage tgteteeaag ecettettee egtgtgacag tateeegage atecteaagt 1560
cgtagtgtac gtacaactag aggaaagcg aagagggttg atgtggaaga atcagaggg 1620
agtagtagtg thagcatcts toattcogcc tcagccactg gaaatgttg catcgaagaa 1680
attgatgttg atgggaaatt tatccgcttg aagaacactt ctgaacagga tcaaccaatg 1740
ggaggetggg agatgateag aaaaattgga gacacateag teagttataa atatacetea 1800
agatatotoc togagocago ccagactott acaatttoog ctocagacoc togtotcaca 1860
gccagccccc caactgacct catctggaag aaccagaact cgtggggcac tggcgaagat 1920
gtgaaggtta tattgaaaaa ttctcaggga gaggaggttg ctcaaagaag tacagtcttt 1980
aaaacaacca tacctgaaga agaggaggag gaggaagaag cagctggagt ggttgttgag 2040
gaagaacttt tccaccagca gggaacccca agagcatcca atagaagctg tgcaattatg 2100
tasaatttte aactgtette eteaaaataa agaaatatgg taateettae etgtatacag 2160
tgcagagect teteagaage acagaatatt titatattie etttatgtga attittaage 2220
tgcaāatotg atggoettaa ttteetttt gacactgaaa gttttgtaāa agaaatoatg 2280
tecatacact ttgttgcaag atgtgaatta ttgacactga acttaataca tgtgtactgt 2340
ttggaagggg ttcotcaaat tttttgactt ttttgtatg tgtgttttt ctttttt 24
```

```
aagttettat gaggaggga gggtaaataa accaetgtge gtettggtgt aatttgaaga 2460
ttgccccatc tagactagca atctcttcat tattctctgc tatatataaa acggtgctgt 2520
gagggagggg aaaagcattt ttcaatatat tgaacttttg tactgaattt ttltgtaata 2580
agcaatcaag gttataattt tttttaaaat agaaattttg taagaaggca atattaacct 2640
aatcaccatg taagcactot ggatgatgga ttccacaaaa cttggtttta tggttacttc 2700
ttctcttaga ttcttaattc atgaggaggg tgggggaggg aggtggaggg aggggaaggg 2760
ttctctatta aaatgcattc gttgtgtttt ttaagatagt gtaacttgct taaatttctt 2820
atgtgacatt aacaaataaa aaagctettt taatattgat atactgteet ttttaacget 2880
ttaaaaacag atttngnggg gagaaaagta ttgtttcagt tttgcttttg ataaaaatat 2940
aatttgactt enttgaactg gatttttent taaggetttg ceagtggaag ataagetatt 3000
ttgggggtct ttcagtattt aat
<210> 214
<211> 646
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 232714.5
<400> 214
gcaaagcatt tetteaaatg tecacagtgt aacaategaa aagagtttee teaagaaatg 60
ctgagaatgg gaattcatat tccagacaga ctacatacct gaaaactcag gggacatccc 120
ttgctgcagc agcaccttcc accctgagga acatttctgc agagacaaca ccttggaaga 180
gaateeggge cittettgga etgatiggee agaacettee tiattagaaa ageeagagte 240
ctctcgtggc aggaggagct actcctggag gtccaagggt gtcagaatca ctaacagctg 300 caaaaaatcc aagtaacacc ttctgagtag ctgctgtccc acacaatagg gtatgaagct 360
gegeteetee ategggtttg gggagggage actetgggae tgtgagaeaa ggaageaggg 420
ccagcagtga qactatgagc caagcaaaga qaagtctcag tggagcatga ggagggagca 480
gtccagatgc caacaaggaa atgcgtttat ggctacaaga gtgcctctgc titctcctcc 540
tetectecca ccaaggatte ttecacetta atettgtttt catatgeete ttettaette 600
acccatgttt gttgttatgc aaataaaggt tttctctcca aaaaaa
                                                                            646
<210> 215
<211> 1398
<212> DNA
<213> Homo sapiens
<2200>
<221> misc_feature
<223> Incvte ID No: 305039.4
teagetttee taggtttgeg etagattate cacgatggta atgeaatget gggtetettt 60
tecteccage ttetetteca ggatetteag ggteaageta tgetgtggea taaggtgaca 120
atgttegtgg ggaaacagge tttgageagg atgeceettt eeeggttgea gtecagetee 180
tggataaate cataceaata gatgactaag cetggeceaa attetettee tgtgatgatt 240
tggagatgata aaatgteeae atgatgagat gaagtgaggt gaatgactea ggeetggtga 300
tggaatggga aattccagag ataatttgca cgtgcgctaa gctgcggcta cccccgcaag 360
caacetteca agteettegt ggeaatggtg etteegtggg gaeegtgete atgtteeget 420
gococtocaa ccaccagatg gtggggtctg ggctocteac ctgcacctgg aaggggaga 480
tcgctgagtg gtctcaggg tococagtgt goaaactggt gocaccaac gagactttg 540
gcttcaaggt ggccgtgate goctocattg tgagetgtgc catcatcctg ctcatgtcca 600
tggccttcct cacctgctgc ctcctcaagt gcgtgaagaa gagcaagcgg cggcgctcca 660
acaggtcage ccagetgtgg teccagetga aagatgagga ettggaggag gtgcaggecg 720
catacettgg ceteaageae tteaacaaae eegtgagegg geecageeag gegeaegaea 780
accacagett caccacagae catggtgaga gcaccagcaa gctggccagt gtgaccogca 840 gcgtggacaa ggaccctggg atccccagag ctctaagcct cagtggctcc tccagctcac 900
cccaagecca ggtgatggtg cacatggcaa accccagaca gcccctgcct gcctctgggc 960
tggccacagg aatgccacaa cagcccgcag catatgccct agggtgacca cgcagtgagg 1020
ctggtgccca tgctccacac tgggaggcca ggctgacccc accagccagt cagctacaac 1080
tecacateaa etecacatge geecageteg agactgatga gtggaateag ettecaggtg 1140
tagggacccc ttgaggggcc gagctgacat ccaaggctga ggaccccagt ggggagtgtt 1200
ctgttccggc atatcctggc cgtaacgatt tttatagtta tggactactt gaaaccacta 1260
ctgagggtaa tttactaget gtggcetece actaactage attectttaa agagactggg 1320
aaatgiitta agcaaatcta giittgtata ataaaataag aaaatagcaa taaacticii 1380
```

```
ttcagcaact acagaaaa
                                                                             1398
<210> 216
<211> 655
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 233603.2
<220>
<221> unsure
<222> 484-510
<223> a, t, c, g, or other
<400> 216
gctcgagaag aaagaaaggg aaagaaatat ctttgctatt tgtataaaaa tggaaatttt 60
aacagettag cetetagaga gttactgaac gtggttacet tgggaatgta aatagaactg 120
caaattaaaa tgactggcca cttcaactgg gtaagggaaa cagctgcaat aaagcttcgt 180
gaatatatat ctccatcttg aaagttgtgt tccacaaagg tttcgacctc tttgtccaaa 240
aatgcatatt actcatttac teettteata eetteattgt gaaattaaat aacagactca 300
caagcacctg gcactggtgg cagacaaaaa ggcctcaaca ttctgcagca ggccagagga 360
ggaacgacgc tgctacagtc tttattagtt ccagtgctca agcccaggtt tctaaggttt 420
gacaatatte totaagttaa aatcatttee acacatacag agtagaatee totttttota 480
agtnnnnnn nnnnnnnnn nnnnnnnnn tggaacattg tetggaagga tatacatgaa 540
aatgttaaga gttggggggg gttgaatttt aggcaatttt aattttttta acgtcttctg 600
gtttttctac aataacatg aatcagttgt agaacctcta aaatgataat gttca
<210> 217
<211> 6637
<212> DNA
<213> Homo sapiens
<221> misc feature
<223> Incvte ID No: 330930.1
<220>
<221> unsure
<222> 3142-3163, 5447-5733
<223> a. t. c. g. or other
<400> 217
gcagtgtgag ctgataattg cagtacaggt taacaatttg caagtcaaag gcaacagaac 60 tggaccaaga aaattcataa ctttttgctt ttgtttctac taagatgaca tcatacatgg 120
ctattgatgg cagtgctctt caggttccct tgcgtcagaa gcccaggagg aaaactcaag 180
gttttctcac gatgagtcgg aggaggatat cgtgtaaaga tctgggccat gctgactgcc 240
aagggtggct gtataagaaa aaggaaaagg gaagtttcct aagcaacaaa tggaaaaagt 300
totgggtgat actgaagggg togtcactgt actggtatag caatcaaatg gcagagaaag 360
ctgatggatt tgtcaacctg cctgatttca ctgtggaaag agcatctgaa tgcaagaaaa 420
agcatgettt taagateage cateeacaga teaagacett ttattttgea getgagaatg 480
tgcaggaaat gaacgtgtgg ttaaataaac ttggatcggc tgtaatccat caggaatcca 540
ctacaaagga tgaagaatgt tacagtgaaa gtgaacagga agatccagaa atagctgcgg 600
agacaccacc coctoctcac getteccaga etcagtettt gactgeacag caggeatett 660 catectcacc cageetgagt ggaacgtegt attettete ttecetggaa aatacagtga 720
agacacccag cagttttect tecteettat ctaaagagag acaateettq cetgacacag 780
Agatactay deptition: cucarraga acaatcing acaatcing for thancaptit footgotest gasgatagag gacaaccaat aacgitige fyocaagtic atteaccit accordangag gasgacatc acaagaccit gasaacaqt titigtacat 900 cagaaagty attitigaac ictitatcia gigagatac itoticatty agitagcaate 980
atgaccatet tactgtccca gataagectg ctggatcaaa gatcatggac aaagaagaga 1020
caaaagtgtc tqaagatgat qaaatggaga agctgtacaa atcattagag caagctagtc 1080
tateteetet tggggacega egacettega etaaaaagga gttgagaaaa teetttgtta 1140
ageggtgtaa aaatecatet ataaacgaga aactecacaa aatecgaaca ttgaatagca 1200
cattaaagtg taaagaacat gatctggcca tgattaacca gttgctggat gacccgaagc 1260
tracarcar gaaatacara gartrgaaar teatgaacac cetgetgate cargacatet 1320
atcagcagca gcqqqcttcq cctqcccctq atqacactqa tqacacccc cagqaactca 1380
```

agaaatcacc	ttcttctccc	tetetteaaa	attecattte	agacaaagtc	agggttttct	1440
	tttatcacaa					
coccecacac	cccaccaa	gcaactcttt	aayacyccyc	aaaagcccac	accecce	1300
aaaaggaaaa	ctgaaaccca	gtccttcaag	catcagette	ccatctaaag	atgcacgtta	T290
gatgaagata	atcaccgaat	acaccaggge	tecteattte	actcctaacc	catecattea	1620
gattggaatg	attgaggtca	attassaga	atttttata	tteetacted	gaget cacca	1680
bankakana	accgaggcca	geegaaagge	geceegeg	t - t t - t t	babaaaaagg	1740
	ctctaggggg					
atgetatgga	caaqaatcaa	attttaccag	gagtaattgc	ccatggaaac	attctgtttt	1800
	aatgtacata					
	aatgttttct					
aaaattcctt	gcctttggta	tagaatagta	gtgccttttc	catgtgatga	gaaatgette	1980
	gcatgtggga					
	tggtgttttc					
tecttacaac	agctagagaa	aacatctcat	cacaattqqa	gacctctact	teetttgage	2160
tttcctactc	aatggtagga	catacroasta	tattccacaa	agaatotota	ctactettat	2220
occoorda co	aacggcagga	garaggaara	cgcccgcaa	agaacgccca	cegeeeeege	2220
	gatccctata					
tgacaagacg	actttggcat	ctgaattgtt	ttaatatctt	tactcaaaaa	aacaaaaaaa	2340
caaaaacccca	tggaagcaac	aaaaaaatta	aacatgaggg	atttattttt	gtatgtttat	2400
otestanatte	tetastotat		at the the th	teestetett	totogoodtt	2460
acguactig	tgtgctatgt	gaatagetat	girigitati	Ladatatatt	Latagaagtt	2400
caaattacta	gtgtttaaaa	gatgatatac	tattatatat	tgtgcttagt	atatatttga	2520
tgagtctata	ctttttgctt	gagaaaaata	gaaatactat	trattcacto	otottatoat	2580
	gtctgaggaa					
guigeactgu	gcccgaggaa	cyccoayyaa	accergigg	aaaaaaacyy	ggcacgcacc	2040
	cattttcttc					
tetettataa	gtcactcttt	taaccaccaa	aggactttca	tcttagatta	tcctttctat	2760
	ttaagetttg					
actaatgtca	tcttttcatt	aaagactaat	agaaatttag	aaatcattgt	gttaaagaga	2880
gctatagaga	aacaatatga	aagtetteee	ttactaatca	ccatgaatat	ttctcaccat	2940
	acaacccacc					
	attttgtttt					
acctgaatta	tatctgcaaa	caaaatggaa	atagttgttg	aatagttccc	caagctttac	3120
taagaagget	taatactctg	tnnnnnnnn	nnnnnnnnn	nnncaacett	agrattagga	3180
aataaaaaca	aaaaacaaga	agcaagttgt	actgctagaa	acticiciaa	gataagagge	3240
caggccagtc	agtttggccc	agcaaacatg	tgggtacttc	tccacctagg	gaagccactg	3300
aaga tgagt t	tgacctgtgg	tgacctgaca	dadadaacat.	tcacatcctc	agattgcacc	3360
atastacant	ggtttaggaa	aggardagatt	tangetttte	aaaataaaaa	ttaatgatta	3430
	tagcagatac					
tgaaggaaca	acaaataaca	atagcagaaa	taacagtgtg	acataaagtg	cccttccacc	3540
	tggtttgcaa					
	bbbb	caccagectg	tagactecca	b	taccoguagag	3660
ctccagacac	ttttgagcag	ggtttgtgaa	tagetttgaa	tgettteett	tggetttteg	3000
tgaagacata	tttccccage	ctttcaactg	taaactcctt	tagtaccatt	gaaacttaag	3720
псавававая	tecetgggat	tacttaccca	aggettaaat	ttatttttca	aantcaanaa	3780
gottowasta	gaagtttttg	abbbashash	tocomettae	********	tt account	2040
gaaagggaaa	ctgaacttca	caattttgca	cctggctttc	tggagcccca	ttgcctgctc	3900
attentett	tteeccetgt	aaattatttt	gettttgace	aggttgtgct	agaaagtagg	3960
	tgagttctca					
	agggagagtg					
cttctctctc	ttggcctcaa	gccacttttc	tggtccaaag	aatattqqqa	aaactggatt	4140
actttcagta	tatttcttga	daddadt.ca	tototosaat	acatttaaaa	tagtttcctg	4200
	gccaattcct					
agaaaaccat	ggctgctcag	gaaggaagtg	gagaatctct	cagcacacgt	agatccaaat	4320
ctataacacc	tgctaaagat	taggatttgg	agaggactcc	tetttaaaat	totoaagagg	4380
accttttocc	tctgttgtta	gootgtagat	dosessomes	anatastata	atmosttcas	1140
L	- the second	gcccgcagac	ccagaacgga	gcccgacgcg	atgeotteat	4500
tggttgatat	attgcaaata	gacactetga	gccctgcatt	gcaagggcgt	cttttgettt	4500
aaagaattct	tagttttgcc	acaacagete	aaatctcaga	ataggatcaa	aggcctagaa	4560
agactcctaa	agtataggat	tacaaacact	ccannaancn	taagaagag	attatattta	4620
	tcaatgtgaa					
attggtgtgt	tttcagcccc	ctcccgctgc	cccatgctct	gagatgattg	tggattatta	4740
cagtgaagtg	cctggcccgg	agcccccagt	gatgaagcag	gaacttgagt.	ctcaggactc	4800
acaccacata	tetgcccatt	testestes	0000000000	atagattana	atattacatt	1960
	tgttggcaca					
	actgggctta					
atttmaaacc	taaagggccc	tetetatast	traggacart	ctcctcctag	tagtectage	5040
hannaatoot	addaggette.	benefit				E100
	ggcgggctgt					
tcttttctt	ctgtacatta	gactacttgg	gaggtgctqt	gtgatccttg	gatgaaaaac	5160
atatatttaa	agaaatggag	agtgtttatt	ttatttactt	tttgagggat	atactatass	5220
atottage	ccaaacttag	tasttaasaa	ttaataattt	recettette	tottaattee	5280
acyclayaga	caaacccag	Lyactayayg	Leggicocct	gacerrecte	Lucianinge	5200
ttttcatgta	atcatgataa	tttactcagg	tagcactcca	gtcacaaaca	atgtcacaga	5340
gatgaaacag	attcaaagaa	aaaatatttt	taagtetttt	gaaaagaagt	gctattcaaa	5400

tttaagacat gittaaatte nnnnnnnnn nnnnnnnnn nnnnnnnnnn nnnnnnnn	nnnnnnnnn nnnnnnnnn nnnnnnnnn ntnnnnnnn ttaagtaca aacaagaata atacetcaca tggactgtgga gcattgagca cagcacatct tggattette cetcgtggaa taatgtgett	nnnnnnnnn nnnnnnnnn nnnnnnnnn mnngaaagac gaaaagetge tgatgtecaa ggagaaatt aattgaaaat agggggataa gacacacgtt cagttettte attgtatttg agaggaaatg gcatgatggg	nnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnn nntnnnnnn	nnnnnnnnn nnnnnnnnn nnnnnnnnn tatagccaca tagttttagg caatttatt ctgggagatg gaaactaaat cacagaaagc gtgggcagg cagaaccac ttttaacctt gaaaccagt ttggacatg	5520 5580 5640 5760 5820 5820 5880 6000 6060 6120 6120 6240 6360 6360
atcctgtgtc agctacccct	ctaaactgaa	aaagaggcat	ggctcatttc	teteetgett	6480
tatgtttttg aggttgactt aaatgacatg aaaaaaaagt					
gctttctcaa agaaataaac				55-5	6637
<210> 218 <211> 3326 <212> DNA <213> Homo sapiens					
<220>					
<221> misc_feature <223> Incyte ID No: 2	47289.1				
<400> 218 tetagatetg tgecatgate	catacactor	ctaatacact	acataatttt	tocattttcc	60
attititgtt titacttact	actgaaggat	ctcagatgta	aaattatgta	tttggtttga	120
gatggccact tattgtcctt	aaaaatccat	actgatatat	gcagtcattt	tgaattggac	180
agtgeettet etttttttt					
tctaaagaga cagtgctgta actcaatcca gttaacaaca					
acaagetgtg cttttttct	tetgeettta	aaatgccacc	cgtgtattca	aaccatggcc	420
acttgatact tatgtagaat					
ttgtgggcac caatgtcgag					
ttcctttcag ccaagaagca gtgtccttga catgcaagct	ttotagageetg	ccatcccccc	ttaggtggga	ggcatcacct	660
teteacaagt gtttagttte	ttttaaccac	aagtatcatt	cttgggtgat	aatatagttt	720
cattctactt agggattgtt	tagaaaacaa	agaaagagcc	aattaaattt	tttagttttt	780
gaaattttta tttatatgta					
catacgggta ggactgtatt cgtattttct cttctttcct					
attttttttg gctttatctt	900400000				
acctcccctt taataagctc	gtcttaccgt	agagatttgt	tcaaaactct	aagccctacc	1020
	tttaaatagt	tgaatcatta	tcaaaactct acaacctggt	gggaggcaag	1020 1080
tcatttaatt gaaccactag	tttaaatagt gaagtgtatt	tgaatcatta ttcttttctt	tcaaaactct acaacctggt tttctgccaa	gggaggcaag ctttttggtg	1020 1080 1140
tcatttaatt gaaccactag gcatttgtaa aagctgatat	tttaaatagt gaagtgtatt aaaaggetet	tgaatcatta ttcttttctt gagatgttat	tcaaaactct acaacctggt tttctgccaa tttcagttat	gggaggcaag ctttttggtg tccataggca	1020 1080 1140 1200
tcatttaatt gaaccactag	tttaaatagt gaagtgtatt aaaaggetet gtetecagtt	tgaatcatta ttetttett gagatgttat ggeagettga	tcaaaactet acaacetggt tttctgccaa tttcagttat gatatttccg	gggaggcaag ctttttggtg tccataggca agcatccggt	1020 1080 1140 1200 1260
tcatttaatt gaaccactag gcatttgtaa aagctgatat agccttttta cagagcatat tctagctacc agtgcctccc ctccttggaa aatgccactg	tttaaatagt gaagtgtatt aaaaggetet gteteeagtt aatgettagt tgetgtttga	tgaatcatta ttetttett gagatgttat ggeagettga geacagtaet aaaaaagcag	tcaaaactct acaacctggt tttctgccaa tttcagttat gatatttccg gtagactggc ccttttaggg	gggaggcaag ctttttggtg tccataggca agcatccggt catcacccct ctagagtatt	1020 1080 1140 1200 1260 1320 1380
toatttaatt gaaccactag gcatttgtaa aagctgatat agcottttta cagagcatat tetagctace agtgcetece ctcettggaa aatgccactg ttatataaac agaagagcta	tttaaatagt gaagtgtatt aaaaggetet gteteeagtt aatgettagt tgetgtttga agtteetgaa	tgaatcatta ttetttett gagatgttat ggeagettga geacagtaet aaaaaagcag gactaageta	tcaaaactet acaacetggt tttetgccaa ttteagttat gatatttecg gtagactgge cettttaggg gatagctgca	gggaggcaag ctttttggtg tccataggca agcatccggt catcacccct ctagagtatt gctatatgta	1020 1080 1140 1200 1260 1320 1380 1440
toatttaatt gaaccactag gcatttgtaa aagctgatat agcettttta cagagcatat tctagctacc agtgcetecc ctcettggaa aatgccactg ttatataaac agaagagcta aattgtatat ttttatgaac	tttaaatagt gaagtgtatt aaaaggetet gteteeagtt aatgettagt tgetgttga agtteetgaa ttttgaagea	tgaatcatta ttetttett gagatgttat ggcagettga geacagtaet aaaaagcag gactaageta cacactectg	tcaaaactet acaacetggt tttetgccaa ttteagttat gatatttecg gtagactgge cettttaggg gatagctgca tttecetetg	gggaggcaag ctttttggtg tccataggca agcatccggt catcacccct ctagagtatt gctatatgta tgtagctttg	1020 1080 1140 1200 1260 1320 1380 1440 1500
toatttaatt gaaccactag gcatttgtaa aagctgatat agcottttta cagagcatat tetagctace agtgcetece ctcettggaa aatgccactg ttatataaac agaagagcta	tttaaatagt gaagtgtatt aaaaggetet gteteeagtt aatgettagt tgetgtttga agtteetgaa ttttgaagea getgtetgaa	tgaatcatta ttetttett gagatgttat ggeagettga geacagtaet aaaaageag gaetaageta cacactectg agaatceaga	tcaaaactct acaacctggt tttctgccaa tttcagttat gatatttccg gtagactggc ccttttaggg gatagctgca tttccctctg ggttggagtg	gggaggcaag ctttttggtg tccataggca agcatccggt catcacccct ctagagtatt gctatatgta tgtagctttg ccaatagaaa	1020 1080 1140 1200 1260 1320 1380 1440 1500 1560
toatttaatt gaaccactag goatttytaa aagstyatat agcettitta cagagcatat tetagetace agtgcetoce etcettggaa aatgceactg ttatataaac agaaggcta aattgtatat tittatgaac tggggattte atgtatatat atgaaaacaa atgcettyta etgtgaccaa teggagtece	tttaaatagt gaagtgtatt aaaaggetet gtetecagtt aatgettagt tgetgtttgg agtteetgaa ttttgaagea getgtetgaa etacaggeag tgettgettg	tgaatcatta ttottttett gagatgttat ggcagettga gcacagtact aaaaaagcag gactaageta cacactectg agaatccaga cetetgaagg tgaagaaggg	teaaaactet tacaacetggt tttetgecaa ttteagttat gatattteeg gtagactgge cettttaggg gatagetgea ttteeetetg ggttggagtg tgaccacata gettttgtae	gggaggcaag ctttttggtg tccataggca agcatccggt catcaccct ctagagtatt gctatatgta tgtagctttg ccaatagaaa actgtcttca cttgttggag	1020 1080 1140 1200 1260 1320 1380 1440 1500 1560 1620 1680
toatttaatt gaaccactag goatttytaa aagotqatat agottttta cagagacatat tetagotacc agigottoc otoottggaa aatgocactg tatataaac agaagagota attyatatat tittatgaac tggggattoc atgaacaa atgocattgtacat totgaacca toggagtcoc atgocaccat agagattcac atgocacat agagattcac agagattcac	tttaaatagt gaagtgtatt aaaaggetet geteceagtt aatgettagt tgetgtttga agtteetgaa ttttgaagea getgtetgaa etacaggeag tgettgettg aetgtgtagt	tgaatcatta ttottttett gagatgttat ggcagettga gcacagtaet aaaaaagcag gactaagcta cacactectg agaatccaga cctctgaagg tgaagaaggg aaaaaggtt	toaaaactct acaacctggt ttctgccaa tttcagttat gatatttccg gtagactggc ccttttaggg gatagctgca tttccctctg ggttggagtg tgacacata gcttttgtac tattctctc	gggaggcaag ctttttggtg tocataggca agcatecggt catcaccct ctagagtatt gctatatgta tgtagetttg ccaatagaaa actgtcttca cttgttggag tggcatacat	1020 1080 1140 1200 1320 1320 1340 1500 1560 1620 1680 1740
toatttaatt gaaccactag goatttytaa aagotygatat agottttta ogaggoatat tetagotac autgocactg ttatataaac agaaggota titattaaac agaaggota aattytatat tittatyaac atgogggattto atgtatatat atgaaaacaa atgocttyta citytyaccaa toggagtcc atgocacta agaagttca agaagttca agaattca agaattca agaattca agaattca	tttaaatagt gaagtgtatt aaaaggetct gteteeagtt aatgettagt tgctgtttga agtteetgaa ttttgaagea getgtetgaa etacaggeag tgcttgettg actgtgetgg actgtgeagg tecatgtgeagg	tgaatcatta ttettttett gagatgttat ggcagettga goacagtact aaaaaagcag gactaagcta cacactcetg agaatccaga cctctgaagg tgaagaaggg tgaagaaggg tcaagatgt cacagatggg	toaaaactct acaacctggt tttctgccaa tttcagttat gatatttccg gtagactggc ccttttaggg gatagetgca tttccctctg ggttggagttg tgaccacata gcttttgtac tattctctcc cctctaaaaa	gggaggcaag ctttttggtg tcataaggca agcatccggt catcacccci ctagagtatt gctatatgta tgtagctttg ccaatagaaa actgtcttca cttgttggag tggcatacat ttggtgggca	1020 1080 1140 1200 1260 1320 1380 1500 1560 1620 1680 1740 1800
toatttaatt gaaccactag goatttytaa aagottyatat agottttta cagagcatat tetagotace agtgootoco otoottygaa aatyocactg tratataaac agoaggatat tratataaac agoaggata tagagagtta atgagaacaa atgacattga cagagacco atgagaccot agaagttaa tagagattaa tagagattaa tagagattaa tagagttyactagaggggtttgc ttatgagttt	tttaaatagt gaagtgtatt gaagtgtatt aaaaggetet gteteagtt taatgettaga agtteetgaa ttttgaagea getgtetgaa etacaggeag tgetgtetga etgtgtetg actgtgag tecatgtgaa tecatgtgaa tecttggaaa	tgaatcatta tcettttett tgagatgttat ggeagettga geacagtact aaaaaagcag gactaageta acacatectg agaatccaga cctctgaagg tgaagaaggg taaaaaggttt ccacgatggg cgattttac	teaaaactet acaacetygt tttetyccaa tttoagttat gatatttecg gtagactgge cettttaggg gatagctgca tttecetety ggttggagtg tyaccacata gettttytac tattetetec cetetaaaaa teetygatgt	gggaggcaag ctttttggtg tccataggca agcatccggt catcaccct ctagagtatt gctatatgta ccaatagaaa actgtcttca cttgttggag tggcatacat ttggtgggca actgatgca	1020 1080 1140 1200 1320 1380 1440 1500 1560 1680 1680 1860
toatttaatt gaaccactag goatttytaa aagottyatat agottttta cagagcatat tetagotace agtgootec ctocttygaa astgocattg tratataaac agoaggatat cyggaacta attgtaat tittatgaac agoggattaa tiggaacca atgaaccac agaagttaa tiggaacca tagaaccac agagggttac tatgaatta catgaactac agagggttac tatgaagtt cottgagct tatgaagtt catgaagggggtt agagggttac agagaaggca ggagggttac agagaatca gaagagtcac gaagaggtcac gaagagagagagagagagagagagagagagagagag	Ethanatagt gangtgatt ananggotot gtotocagtt tatgottagt tgotgtttga agttoctgaa ottgotgga gotgtotgaa otacaggoag tocatgtgaag tocatgtgaag tocatgtgaag gaptocaaa aggetocaaa	tgaatcatta ttottttett ggaagttytat ggaagttyta ggaagttyta gaacagttac aaaaagcag gactaageta cacactetg agaatccaga cetetgaagg tgaagaagg aaaaaggttt ceacgatggg cegattttac ggataaaatg agtectagta	tcaaaactct acaactggt tttctgccaa tttcagttat ttcagttat ttcagttat ttcagttat ttcagttagt gatatttccg gtagactggc cettttaggg gatagctgca tttccctctg ggttggagtg tgaccacata gettttgtac tattctctcc cctctaaaaa tcctggatgt ttagagagtg ccagacaggt	gggaggcaag ctittiggtg tocataggca agcatceggt catcaccct ctagagtatt gctatatgta tgtagtttig ccaatagaaa actgtcttca cttgttggag tggcatacat ttggtggca attgatgcc gagttctaca gagaagctc	1020 1080 1140 1200 1260 1320 1380 1440 1500 1680 1740 1860 1860 1920 1980
toatttaatt gaaccactag goatttytaa aagotygatat agottttta ogaggoatat tetagotac autgocactg ttaataaac agaaggota titattyaac agotygagatte atgtyatat tittatyaac atgogggattto atgtatatat atgaaaacaa atgocttyta totytyaccaa toggagytec atgocacto agaagttec agaattrea gatgottgo gagggtteg tatgagatgot ottgagatgott tatgagatga	Ethanatağt gangtgatt gangtgatt alanggotot gtotocagtt tgototgat tgototgat tgototgat otacaggoag tgottgotag actgotagga tocatgigga tocatgigga tocatgigga tototgaaa gatotgoaa agatocacat atgatotgga acaagotggg	tgaatcatta ttottttottot gagatgttat ggcagcttga gocagttact aaaaaagcag gactaagcta cacactcctg agcataccaga cctctgaagg tgaagaaggg tgaagaaggg ccgattttac ggataaaatg agtcctagtt taatagtta	tcaaaactct acaaactcgt tttctgcaa tttcagttat gatatttcag gtagactggc ccttttaggg gatagctggc tttcctctg ggttggactg tgaccacata gettttgtac tcaccata cctctagaatg tcatactggatg tcagaatg ccagaaaggt tcattctgga	ggdaggeaag ctttttggtg tccataggca agcatcoggt catcaccct ctagagtatt gctatatgta tgtagctttg ccaatagaaa actgtcttca cttgttggg tggcatacat ttgtgggga attgcatgca gagatctaca gagaagctc taactgsttg	1020 1080 1140 1200 1260 1320 1380 1560 1680 1680 1740 1800 1860 1980 2040

```
tatttgggtg ggacagacag aagacacaca getgeetgtt eteteetgee catcatgttt 2160
ggcccactaq atgaagetgt actcagcaat ttagggaatg taaccettet cagaactggc 2220
systetactay atyangetys attacagaan tranggany laacettitaya gaaregge 2220 cattitaga gagagetty agagagaata gtatgytaga coctitagaa atyanga cottoctotty ggegaatyct geotteagaa gettaccaaa tygteactyc atchagtaag 2340 attatattic cagtacactt cottagggca gaaacacat cottacaggi tiggteactic 2400
cettetteat gaaggagte atggggaatt cetgaaaatt ttetteette tgcagacagt 2460
tggatgagte cettagagaa ggcatccaga gacataacta aactgaatat catcccatat 2520
tgattttagg aattgactet aaaactetgt geagaatett gtgttgggat tgtatettga 2580
catteetgtt gtgttatttt tettaaetgg agtgtgtget geettteagg taeaattttt 2640
gtgtaataaa ageeagtgea ttaagtttat atagaetaet ttetatgeaa gaetgagata 2700
tggaatagat aggaagagat atgtactgct gggtacatgg acagtaagtg tgttttcaga 2760
tggagtacca gcaccgaaaa tgggttgagg gaggatgggt tgtatgtatg tttctgccca 2820
ctaattittga geagecatat tatgaattaa ategteacag ceaagtaata acceaagaat 2880
ggtatgagtt toatgigtaa tageteaaat ggaataagaca tgaatgetgg agtggaceat 2940
tatecteaaa tattetatgt eactiteteat titaaagacte tigtitatgaa etattagaaa 30
ctttaggcaa aatcaaaagt atttgcggca aaataaaggc ctattctact cttatttaaa 3060
gtgaaacact gtatacttgt tteteteeaa agcgaaatta agtatttata attteaattg 3120
ectegataag titteeaagte aetgaaatet getgaaggti titaetgtatt gitgeaeaae 3180
tittaagataa tittigtete aatgieaaet titticaetg aataaaaatt taaetggite 3240
aagaaaaeae elettigaaa ateeaetgte tetgigtgie tegagetgit etitiagageg 33
caataaagat ggctgacgca gtctcc
<210> 219
<211> 2878
<212> DNA
<213> Homo sapiens
<220×
<221> misc feature
<223> Incvte ID No: 331033.1
<400> 219
ggctcgggtt gtgagggttc ctgcttcgga gtcggcggtg gtcgtccaga ccgagtgttc 60
ygetteggitt ytyggyytte gytticagg teggegygy yttgiccaga cogagytte o
tttacttitt yttigyttya gytticacyc tagaagytsg ctcaggafyt ctcacaca 120
tttigccagt cgacacagga aggalataag tactyaaady attagaacta aaattgctca 180
taggaaatca ctytictcaga aagaaaatag acataaagga tacgaacgaa atagaacactt 240
tggtttgaaa gatgtaaaca ttccaacctt ggaaggtaga attcttgttg aattagatga 300
gacatotcaa gggcttgttc cagaaaagac caatgttaag ccaagggcaa tgaaaactat 360
totaggtgat caacgaaaac agatgotoca aaaatacaaa gaagaaaago aacttcaaaa 420
attgaaagag cagagagaga aagotaaacg aggaatattt aaagtgggto gttatagaco 480
tgatatgcct tgttttcttt tatcaaacca gaatgctgtg aaagctgagc caaaaaaggc 540
tattccatct tctgtacgga ttacaaggtc aaaggccaaa gaccaaatgg agcagactaa 600
gattqataac qaqaqtqatq ttcqaqcaat ccqacctqqt ccaaqacaaa cttctqaaaa 660
gaaagtgtca gacaaagaga aaaaagttgt gcagcctgta atgcccacgt cgttgagaat 720
gactogatca gotactonag cagonnagon ggttoconga acagtotont otaccacago 780
aagaaagcca gtcacaagag ctgctaatga aaacgaacca gaaggaaagg tgccaagtaa 840
aggaagacet gecaaaaatg tagaaacaaa accegacaag ggtatttett gtaaagtega 900
tagtgaagaa aatactttga attcacaaac taatgcaaca agtggaatga atccagatgg 960
agtottatoa aaaatggaaa acttacotga gataaatact gcaaaaataa aagggaagaa 1020
ttccttcgca cctaaggatt ttatgtttca gccactggat ggtctgaaga cctatcaagt 1080 aacacctatg actcccagaa gtgccaatgc ttttttgaca cccagttaca cctggactcc 1140
tttaaaaaca gaagttgatg agtctcaagc aacaaagaa attttggcac aaaaatgtaa 1200
aacttactct accaagacaa tacagcaaga ttcaaataaa ttgccatgtc ctttgggtcc 1260
tctaactgtt tggcalgaag aacatgtttt aaataaaaat gaagctacta ctaaaaattt 1320
aaatggcett ceaataaaag aagteecate aettgaaaga aatgaaggte gaattgetea 1380
geocaacat ggyttgecat atttaagaaa tateeteeag teagaaactg agaaattaaa 1440
ttaaaattge ttegaatggg acaggaaact tgaattggae attocagatg atgetaaaga 1440
tettattege acagcagttg gtcaaacaag actcettatg aaggaaaggt ttaaacagtt 1560
tgaaggactg gttgatgatt gtgaatataa acgaggtata aaggaggacta cctgtacaga 1620
tctggatgga ttttgggata tggttagttt tcagatagaa gatgtaatcc acaaattcaa 1680
caatctgatc aaacttgagg aatctgggtg gcaagtcaat aataatatga atcataatat 1740
gaacaaaaat gtctttagga aaaaagttgt ctcaggtata gcaagtaaac caaaacagga 1800
tgatgctgga agaattgcag cgagaaatcg cctagctgcc ataaaaaatg caatgagaga 1860
gagaattagg caggaagaat gtgctgaaac agcagtttct gtgataccaa aggaagttga 1920
taaaatagtg ttcgatgctg gatttttcag agttgaaagt cctgttaaat tattctcagg 1980
actttctgtc tcttctgaag gcccttctca aagacttgga acacctaagt ctgtcaacaa 2040
agetgtatet cagagtagaa atgagatggg cattecacaa caaactacat caccagaaaa 2100
```

```
tgccggtcct cagaatacga aaagtgaaca tgtgaagaag actttgtttt tgagtattcc 2160
tgaaagcagg agcagcatag aagatgctca gtgtcctgga ttaccagatt taattgaaga 2220
aaaccatgtt gtaaataaga cagacttgaa ggtggattgt ttatccagtg agagaatgag 2280
tttgcctctt cttgctggtg gagtagcaga tgatattaat actaacaaaa aagaaggaat 2340
ttcagatgtt gtggaaggaa tggaactgaa ttcttcaatt acatcacagg atgttttgat 2400
gagtagecet gaaaaaaata cagetteaca aaatageate ttagaagaag gggaaactaa 2460
aattteteag teagaactat ttgataataa aagteteact aetgaatgee acettettga 2520
tteaccaggt ctaaactgca gtaatccatt tactcagctg gagaggagac atcaagaaca 2580
tgccagacac atttetttg gtggtaacct gattacttt teacctctac aaccaggaga 2640
attttgaatt taaaaataaa tccaacactt ttectteat ttactcatg ctaatattc 2700
cttagactat tgaaattttg gagaaaatgt atttgtgttc acttetatag catataatgt 2760
tttaatatte tgtgttcate aaagtgtatt ttagatatac tettteteaa gggaagtggg 2820
gatattttgt acattttcaa cacagaataa aaaatgtact gtgaaaaaaa aaaaaaaa
<210> 220
<211> 1339
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 1098766.1
<400> 220
ctttatttt cataagetaa tgtaaatgaa gaaaaaatgt ettetetggg etgtaggeet 60
ggetcagegt acacaggtat acatectaag etetetatgt tetetaatet gtggtgaetg 120
aacatgtgtet teaatgeacg ggeattet acetgtgttt teteageace eccatgeet 180
tgagtececa geagtgetgt tatttgeeta acacetgtag ecatetgeac ecgaegeasg 240
cgtgaaaget gagacagaga ccatttaggt taaatacgac agettateet getgggtggg 300
gaaagtaaaa aatatgctgg ttcaaggcct aaagtaaaat gatcaataat gtttgtagca 360
ttaatgaaat attttcaaga aatgtgtcca ggggtagcac tggctatgtt gacgaggcct 420
ttggtaacte agagagetet tggeeetgat ggggaettge cettaegett tetttateag 480 getetgagtt cacaeggage etetggeact teeetgetgt ettgggagaa aggaaaetgg 540
ttgccgcgge aggttgtgga atctgttgct ggaaccagge tggaagccca cetggtagtg 600
aacagggccc agtggggcag gctgggcatg ttgtggtcta tgggtttgtt tcctggagaa 660
tgttcaggaa tgtcttccca gctgctttgg tgctgagctc tattatctca cagcacgtcc 720
agaaggotaa cccaggtggg gaggatgotg acaccagoto caggtggagt tggtggtott 780
aatttggaga tgcaggggca acctgtgaco otttgaggca agagcootgo acccagotgt 840
cccgtgcagc cgtgggcagg ggctgcacac ggaggggcag gcgggccagt tcagggtccg 900
tgccaggccc tectcagtgc cetgtgaagg cetectgtec teegtgegge tgggcaccag 960
caccagggag tttctatggc aaccttagtg attattaagg aacactgtca gttttatgaa 1020
catatgotca aatgaaatto tactitagga ggaaaggatt ggaacagcat gtoacaaggc 1080
tgttaattaa caaggagaco ttattggaty gagatoacat ctgttaaata gaatacctca 1140
actotaogit gttitottgg agataaataa tagtitoaag tittigtitig titgtitiac 1140
ctaattacct gaaagcaaat accaaaggct gatgtctgta tatggggcaa agggtcagta 1260
tatttttcag tgttttttt ctaccagcta ttttgcattt aaagtgaaca ttgtgtttgg 1320
aataaatact cttaaaaaa
<210> 221
<211> 2824
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 245632.3
<400> 221
togocgocgo egocgocgoc gooteagoot togocteago egocgocego tocogocego 60
gegegeggga tggaegatea atecaggatg etgeagaete tggeeggggt gaacetgget 120
ggccactcgg tgcagggggg catggccctg cegcctcccc cgcacggcca egaaggggcg 180
gaeggegaeg geaggaagea ggaeategge gaeateetee accagateat gaecateaec 240
gaccagaget tggacgagge gcaagcaaag aaacatgccc tgaactgtca cagaatgaaa 300
ccagegetet teagegteet gtgtqaqate aaagaqaaaa caggteteag catcagagga 360
gcccaggagg aggaccetec cgatececag etaatgagae tggacaatat gettttggca 420
gaaggggttt caggtcctga gaaaggtggg ggatcggcgg cagcagctgc agccgcggca 480
gcctctggag gttcttcaga taactctatt gaacactcag attacagagc caaattgacc 540
```

cagatcagac	aaatctatca	cacagaactg	gagaaatatg	aacaggcatg	taatgaattt	600
actacacatg	tgatgaacct	tctccgagaa	cagagtagaa	cacgtcccat	ttctccaaaa	660
gagattgaaa	gaatggtggg	catcatccat	cgaaaattta	gttccattca	gatgeagete	720
aaacaaagca	cttgtgaagc	agttatgatt	ttaagatcaa	ggttccttga	tgccagacgg	780
aaaaggcgta	acttcagtaa	acaggccaca	gaaatettga	atgaatattt	ttactcacac	840
ctcagcaacc	cctaccccag	tgaagaagcc	aaagaggagc	tggccaagaa	atgcagcate	900
acagtgtcac	aggtatccaa	ttaatttaac	aacaaacaaa	tcaggtacaa	gaagaacatt	960
	aggaagaagc					
	cagetgtgca					
	cttttaacct					
	cttaccaagg					
ataggggatt	ttatcaatca	gccccaagcc	ggagecaatg	Lycaaccaca	ggtggatace	1200
beengteatg	ttattaatta	gaegggagge	tacagtgatg	gcerrggagg	aaattcactg	1200
Lacagtecae	ataatttaaa	tgetaatgga	ggctggcagg	acgcaacaac	tecatettet	1320
gtgacttete	ctacagaagg	cccaggaagt	gtgcactcgg	atacctctaa	ctaatctctg	1380
	tecetgaget					
	tttgtagccc					
aacttggtaa	atctgttttt	taaggaatca	taatcatttg	tatttatact	taaaaacaca	1560
caatgttaaa	aaaaataaag	cactttatcc	aattaggcca	agatttaaca	ttgttgacag	1620
tectgtaget	attttatcat	aatttattat	caatatttta	cattaatggt	ttcacagttg	1680
ccaattactt	ggccttaagg	gtaaaaagta	caatatacac	taaacctcaa	ccqttaaaqc	1740
agatgcaaaa	attcacctca	cctaaattga	acttcttgca	tatttccatt	actgacttgg	1800
attotette	tttcatatca	ctaatggagt	togaataaag	agetgtttge	ctatecetgt	1860
taatgatggt	tgtgtttaag	aatetteete	atcacattta	tottcagate	tettatetta	1920
taattagatc	agagactggt	aggatcottt	ctctctctga	aagcaccagt	accesagate	1980
	taaaattatg					
	aacgagattg					
yactigicaa	ggtttgctac	greererggg	catetgeaaa	aggeeerger	eletggagtg	2100
tigiatatag	tgtagcaaaa	gagtatttat	acateceace	aatcaaaaca	cagetttatt	2220
acctcatgcg	aactcataca	aaccaataga	atttcaacat	gttctgtagc	ttagagtgct	2280
	ctctgaacaa					
cttgtaatta	actctttgtt	tcccttcata	aaatgtaatg	tacattgtaa	tcttttaaaa	2400
gaaaaatcag	ggttgcactt	gcaactttta	aaaaaccgag	tgtggaaaca	ttgggtctta	2460
attcaacaca	ggatcggtaa	aactgttgta	aatactgaga	aacattttga	atgttcttca	2520
tettattaet	aatccatgca	aaaaaaaaaa	aaaagcagcg	actaattgtg	atgcattcag	2580
atttcagtat	tcagtactgt	atatttcacc	ctgtgtaatg	gggccccctc	teetttetet	2640
ctttttgtat	tgtatgcgat	tetgaaactg	attgagtcat	gaaaataatt	tataacaata	2700
attctaatgt	attaaaaacg	tttcgtgttc	ctttctaact	ggattacacc	ctggattgaa	2760
aaagtettee	tegtggtagt	tatatgtagt	ttcaaacato	aataaacttt	ttgctttcat	2820
gatt					-	2824
-						
<210> 222						
<211> 3082						
<212> DNA						
<213> Homo	sapiens					
<220>						
<221> misc	feature					
	te ID No: 3	33461 2				
'AZZJ' INCY	ce id No. 3.	33401.2		1		
<400> 222						
	gcgcgattta					
ggcccagcac	tgccagccac	aatgaataac	tettetteag	agacgcgagg	acacccccac	120
agtgcctcct	ctccttcaga	gegtgtgtte	ccgatgcccc	tgcccaggaa	ggcgcctctc	180
	gcaccccagt					
ctgcagcgga	ggcgctcgag	ggtctttgat	ctgcagttca	gcactgactc	acctcgctta	300
ttggcctccc	cctccagcag	gagtattgac	atttcagcta	ctatccccaa	gtttacaaac	360
	cggaacatta					
	cttttggttt					
	caaccaactt					
	gcgtggatgc					
aaagatgcac	cgtctttgga	agaagtagaa	gaccatatta	ctgatggaag	toctactosa	660
	ccaaaaaggc					
	acaacctcaa					
	cagcagcete					
	aggactacag					
acadagagagagagagagagagagagagagagagagagag	ctctccactt	and characte	auttatatt.	cogacy cooa	atttaaaaa	960
acgygagaac	ctctcgagtt	gecayayıta	ggttgtgtta	gaaatyacag	auttadadge	1020
		agaagatcgc	cagalcigce	crrecerage	egggtteeag	1020
-	- 555					

```
tttacacagt gggacagtga aacacataat gagtctgtgt cggccctggt agacaagttt 1080
aagaaqaatq accaggtatt tgacatcaat qctqaaqttq acqaqaqtga ctgtqqaqac 1140
tteecegatg ggteectggg ggatgaettt gatgccaacg atgaacctga ccacaccgca 1200 gttggggate atgaagagtt caggagctgg aaggagcect gccaggttea gagctgccag 1260 gaagaaatga ttreecttgg ggatggagaa atcaggacca tgtgccccct tctgtetat 1320
aaacctggag aatattetta tttcagteet eggaccatgt egatgtggge tggcccggat 1380
cactggcgct ttaggcctcg acgcaaacaa gatgctcctt cccaatcaga aaacaaaaag 1440
aagagtacaa aaaaagattt tgaaattgac tttgaagatg atattgactt tgatgtatat 1500
tttagaaaaa caaaggetge tactattetg accaagteca etttggagaa ecagaattgg 1560
agagetacca ecettectae agattteaae tacaatqttq acaetetqqt ecagetteae 1620
ctcaaaccag gcaccaggtt acttaagatg gcccagggcc atagggcaga gactgagcat 1680
tatgaagaaa ttgaagacta tgattacaac aaccctaacg acacctcaa cttttgccct 1740
ggattacagg ctgctgacag tgatgatgaa gatttggatg acttatttgt gggacctgtt 1800
gggaactotg acctoteaco thatcettgo catocaceta agacagcaca acagaatggt 1860
ggacotecag aggcocaagg attagacatr acaacatatg gggagtosaa ettggtaggt 1920
gagcotcaga aggtaaataa aattgaaatt cactatgcoa agactgcoa aaagatggac 1920
atgaagaaac tgaagcagag catgtggagt ctgctgacag cgctctccgg aaaggaggca 2040
gatgcagagg caaaccacag ggaagctgga aaagaagcgg ccctggcaga agtggctgac 2100
gagaagatgo ttagogggot oacgaaggac otgoagagga gootgococo tgtoatggot 2160
cagaacotot coctacotot ggottitgot tgtotoctac atttagocaa tgaaaagaat 2220
otaaaactgy aaggaacaga ggacototot gatgttetty tgagycaagg agattgatt 223
cactatggag aagtcagcag caggaggccc atcccttact cagttgccgg gacatcccca 2340
gtctcggggg aagaagatgc catgggctta tacccaggct gtagccaact accaacgtgc 2400
ctgtttgttt gttgctcttt ccttctctcc atcatagtct gggtgccagc gccctgaagc 2460
tccgtgotca actgattaaa etttactgee etatggtgae eatetaggag aggggaggge 2520
agaggggtgt actat tctggattga gaaaacetat atecattett tatateaatg 2580
tatagttta gteteetaaa ttgatetgtt atttecaaa etatteett gtagaaaatt 2640
ttccagtggg cacttaatgg tgcccttgaa gaacttccta atccatgtac ataaaataca 2700
teatatytae aettataaat gtatatagaa tgeteaaaaa taaaattett aataatagaa 2760 eetatayaaaaa tattagatgi coactagatga agtateagaa etagteetta eeettagggg 2820 gatgeagtee tggttgttat eeaggataea eaeetgteag tataaggeag aagatgeeta 2820
agggccaaga tggtttgcct cggaggagaa tggaagagag agattgctga ctggacattc 2940
agatgeaaga etgggteetg ettaaateee aggattetge tggagggage tgatagtgat 3000
acttgtccct tctgtacatt gcttcatgta gccttctcag catccctagg agaaacttac 3060
tattgtgact ctcatgttgg ag
<210> 223
<211> 3394
<212> DNA
<213> Homo sapiens
<221> misc feature
<223> Incyte ID No: 347876.6
gaatteggea egagegagte gegaegtegt eggeaagegg eegeetteea egtaaegege 60
gccggcgggg gagggcgttg gcgcggagcc gacgggaacg tccgcgctgc ggagcagggc 120
agggaageeg ggaggegge ceggeeegag ettgteettg tegegeaggt acteegagea 180
ctatgtcgtc cccggcgtcg accccgagcc gccgcggcag ccggcgtgga agggccaccc 240 ccgcccagac gcctcggagt gaggatgcca ggtcatctcc ctctcagaga cgtagaggcg 300
aggattecae etecaegggg gagttgeage egatgecaae etegeetgga gtggacetge 360
agagecetge tgegeaggae gtgetgtttt ceagecetee ceaaatgeat tetteageta 420
teectettga etttgatgtt agtteaccae tgacataegg cacteecage tetegggtag 480
agggaacccc aagaagtggt gttaggggca cacctgtgag acagaggcct gacctgggct 540
ctgcacagaa gggcctgcaa gtggatctgc agtctgacgg ggcagagaga gaagatatag 600
tggcaagtga gcagtccta ggccaaaaac ttgtgatctg gggaacagat gtaaatgtgg 660
cagcatgcaa agaaaacttt cagagatttc ttcagcgttt tattgaccct ctggctaaag 720
aagaagaaaa tgttggcata gatattactg aacctctata catgcaacga cttggggaga 780
ttaatgttat tggtgageca tttttaaatg tgaactgtga acacatcaaa tcatttgaca 840
aaaatttgta cagacaactc atctcttacc cacaggaagt tattccaact tttgacatgg 900
ctgtcaatga aatcttcttt gaccgttacc ctgactcaat cttagaacat cagattcaag 960
taagaccatt caacgcattg aagactaaga atatgagaaa cetgaateca gaagacattg 1020
accageteat caccateage qqcatqqtqa teaqqacate ceagetqatt eccqaqatqc 1080
acquigacett ettecagtge caagtgtgtg cecacacque ecgggtggag atggacegeg 1140
gegeattgea gageceagtg tgtgegggeg etgecacace acceacagea tggcacteat 1200
ccacaaccgc tecetettet etgacaagca gatgateaag etteaggagt eteeggaaga 1260
```

```
catgoring aggragação cacacacagt tatectottt getcacaatg ateteottga 1320
caaggtccag cctggggaca gagtgaatgt tacaggcate tatcgagctg tgcctattcg 1380
agteaatcca agagtgagta atgtgaagtc tgtctacaaa acccacattg atgtcattca 1440
ttatcggaaa acggatgcaa aacgtctgca tggccttgat gaagaagcag aacagaaact 1500
tittitcagag aaacgtgtgg aattgcttaa ggaactitcc aggaaaccag acatitatga 1560
gaggctigct tcagccttgg ctccaagcat ttatgaacat gaagatataa agaagggaat 1620
tttgcttcag ctctttggeg ggacaaggaa ggattttagt cacactggaa ggggcaaatt 1680
tegggetgag atcaacatet tgetgtgtgg egaccetggt accageaagt eccagetget 1740
geagtacgtg tacaacctcg tececagggg ceagtacacg tetgggaagg getecagtge 1800 agttggeete actgcgtacg taatgaaaga ceetgagaca aggeagetgg teetgeagae 1860
aggigetett gleetgagtg acaacggcat etgetgtate gatgagtteg acaagatgaa 1920
tgaaagtaca agatcggtat tgcatgaagt catggaacag cagactctgt ccattgcaaa 1980
ggctgggate atctgtcage teaatgegeg cacetetgte etggcageag caaateceat 2040
tgagicticag iggaatocia aaaaaacaac caitgaaaac atccagcigc cicatacitt 2100
atchacaagg iitgaitiga icticatcac gotggacoc caggacgaag cotatgacag 2160
gcgictiggel caccaccigg icgcacigia ciaccagagc gaggagcagg cagaggagag 2220
getectggae atggeggtge tagaggaeta cattgeetae gegeacagea ceateatgee 2280
geggetaagt gaggaageea geeaggetet categagget tatgtagaca tgaggaagat 2340
tggcagtagc cggggaatgg tttctgcata ccctcgacag ctagagtcat taatccgctt 2400
bygongung cyggghangy thacystipto taqonanyth gangcaitty although agcayangac 2400
agcayangco etcealcygg angolebyan geaghtiges achystices gantiges 2520
egiggacata tetathetta etacygygant gagtycoace theyteane gyantiges achystices
attagetgaa geattgaaaa agettatttt atetaaggge aaaacaccag etetaaaata 2640
ccagcaactt titgaagata ticggggaca atctgacata gcaattacta aagatatgtt 2700
tgaagaagca ctgcgtgccc tggcagatya tgatttectg acagtgactg ggaagaccgt 2760
gcgcttgctc tgaagccttg tgaqcaagga aggctccctg catgtcctgc ttgctgcacg 2820
ccacatgggt gtggtctgca tctcagttgg ccgccatcag tgtaaataga gcttaaagtc 2880
atggtttggc tgcataaaaa tttctcaact tgggttcaat atttgtagtg aagtatctgt 2940
tttcattttt ttcacgttat aaataaaaat actatgctgg ccactgcacc cagcctttgt 3000
tttattttt tittätga agstagat ottotaga attittet atgettaata 3060
ttagataaga aatggtgat tggagattat tagatatbag gitaacitet accacittae 3190
octaataat aaaacitti octaataaa tgatggaaga aataatatt ggitaccitg 3180
cattattttt cagtaagaaa aaagetttac taaccactac atttatggaa atttgtaggg 3240
gtaagtattt tataggtcat aaaaaacacc ataatataac gaatctcatt ttctttaaat 3300
gtgaattaaa tectaacagt catetttata aaatgaccat aggetaaaat ettacgtgta 3360 agtactacta caataaataa tttetgaaac ettt 3394
<210> 224
<211> 557
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 413842.1
<220>
<221> unsure
<222> 459, 495-496, 503, 518-519, 538
<223> a, t, c, g, or other
<400> 224
gaaccccaga acaaccagct ggatcaattc tcataggagc cacagggggg agactgtgaa 60
acatggttcc aaaactgttc acttcccaaa tttgtctgct tcttctgttg gggcttctgg 120
ctgtggaggg ctcactccat gtcaaacctc cacagtttac ctgggeteag gggtttgacg 180
tccatcagta ggaaccaget ccaatgcacc aatgcaatge gggtaattaa caattatcaa 240 cggcgatgga aaaaccgaaa tacttttctt cttqcaactt ttqctaatqt aqttaatqtt 300
tgtggtaacc caactataac etgeceteat aacagaacte teaacaattg teatcatagt 360
ggagtccagg tgcctttaat qtactqtaac ctcacaactc caaqtccaca qaatatttca 420
aactgcaggt atgcgcagac accagcgaac atgttctana tagttgcatg ttgacaacag 480
ggatcaacga coggnnectc canagtatec agtggttnna gttcacctgg atagcatnat 540
ctaageteet gtateag
<210> 225
<211> 3331
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> Incyte ID No: 235867.2
<220>
<221> unsure
<222> 2284-2423, 2441, 2444
<223> a, t, c, g, or other
<400> 225
ctegagagtt geeggggagg ageggagegg tgeggagget etgeteggat egaggtetge 60
agegeagett egggageatg agtgetgeag tgaetgeagg gaagetggea egggcaeegg 120
cogaccetgg gaaagceggg gteeceggag ttgcagetce eggagetceg geggeggete 180
caccggcgaa agagatcccg gaggtcctag tggacccacg cagccggcgg cgctatgtgc 240 ggggccgctt tttgggcaag ggcggcttt ccaagtgctt cgagatctcg gacgcggaca 300
ccaaggaggt gttcgcgggc aagattgtgc ctaagtctct gctgctcaag ccqcaccaga 360
gggagaagat gtccatggaa atatccattc accgcagcct cgccaccag cacgtcgtag 420
gattecaegg etttttegag gacaaegaet tegtgttegt ggtgttggag etetgeegee 480
ggaggtetet cetggagetg cacaagagga ggaaageeet gactgageet gaggeeegat 540
actacctacg gcaaattgtg cttggctgcc agtacctgca ccgaaaccga gttattcatc 600
gagacctcaa getgggcaac etttteetga atgaagatet ggaggtgaaa ataggggatt 660
ttggactggc aaccaaagtc gaatatgacg gggagaggaa gaagaccctg tgtgggactc 720
ctaattacat agotocogag gigotgagoa agaaagggoa cagittogag gigggaigigi 780
ggotoaligg gigialcaig itacoctigi taatggggoaa accacottii gagacticii 840
ggotaaaaga gacctacoto oggatoaaga agaaigaata cagiattoco aagocactas 900
acceegtgge egecteecte atecagaaga tgetteagae agateecaet geeegeecaa 960
ccattaacga gctgcttaat gacgagttct ttacttctgg ctatatccct gcccgtctcc 1020
ccatcacctq cctqaccatt ccaccaaggt tttcgattgc tcccaqcagc ctggaccca 1080
gcaaccggaa gcccctcaca gtcctcaata aaggcttgga gaaccccctg cctgagcgtc 1140
cccgggaaaa agaaqaacca qtggttcgag agacaggtga ggtggtcgac tgccacctca 1200
gtgacatgct gcagcagctg cacagtgtca atgcctccaa gccctcggag cgtgggctgg 1260
teaggeaaga ggaggetgag gateetgeet geateeceat ettetgggte ageaagtggg 1320
tggactatte ggacaagtae ggeettgggt ateagetetg tgataacage gtgggggtge 1380
tetteaatga eteaacaege eteateetet acaatgatgg tgacageetg cagtacatag 1440
agogtgacgg cactgagtoc taccteaccg tgagttccca teccaactcc ttgatgaaga 1500 agocaccact cettaaatat ttoogtaatt acatgagoga goacttgctg aagocaggtg 1560 ccaacatcac gocgoggaa ggtgatgagc togccoggct gocctaccta oggacotggt 150
teegcaceeg cagegecate atcetgeace teagcaacgg cagegtgeag atcaacttet 1680
tocaggatca caccaagete atettgtgce cactgatgge agecgtgace tacategacg 1740
agaageggga etteegeaca tacegeetga gteteetgga ggagtaegge tgetgeaagg 1800
agetggeeag eeggeteege tacgeeegea etatggtgga caagetgetg ageteacget 1860
eggecageaa cegteteaag geeteetaat agetgeete ceeteeggae tggtgeete 1920
occaetocoa cotgoatota gugocoataa tgyttgycto cogogytyoc atytotycan 1980
tgtycococo agococygty gotgygoaya gotycatcat octtycaygt gygygttyca 2040
fytytaagtta tttttyaac tgyttegygty tgygyttotac agocitytoc occtococot 2100
caacocoaco atatyaatiy tacayaatat ttotatyaa ttogyaacty tootttoctt 2160
ggotttatge acattaaaca gatgtgaata ttetttttet tgtattteet gaggggtgee 2220 agggetggg atecagega catetetget teateagee eaggetgee agectetgee 2280
agtimminin minimminin minimminin minimminin minimminin minimminin 2340
nnnnnnnnn nnnnnnnnn nnntgtgage eactgeacee nagneetgeg gettttetga 2460 ttetgaggee agecacagge teagetette agtgagecag eacggagace atetgtgtgg 2520
catccagccc acctcacctc cetgtggccc cagggcatgg cetcetggcc tetgagtetg 2580
gegggtagta gggcaggaag aggeteteag aggegeaget ceteatgget eggtgegtgt 2640
ggaggagcag ccgtgggaag cggtttgtga agtactggac gaagccatca gggacttggc 2700
ogagigootg toqeacctea acigggaget cectgiagig gigettettg ficeteaeag 2760
caeggageag gictegeact gatgiceect tataggaeeg gaactitot agatetytet 2820
geageggeat ggagaigige tegigeeagt tgiceeggae eacigegeag eciceeegeel 280
ccagtgccct caccaggggc tectgctcgg actecttctc cagecagtca ctgacgtcct 2940
ggaagaactg gagttgettg getetgetee aaaagaaggg gtgggeeage acctgggggg 3000
cagaggggcg tggctgcggc agtgggctca acatggctcc aaccaggtcc cgggcaacca 3060
cettytegty gacetettee teeagytgag ceagacaggy agoecetytg aggatyttty 3120 cettytegty gacetettee teeagytgag ceagacaggy agoecetytg aggatyttty 3120 cetygegata aagactytet eeaaaggggt gygtyceace agaaagaag tagtagaa agatyteg aggatyteg ag
gaageteggg egecateeag cetteegtge eggggatgee ggagtggagg etgaagetae 3300
ageggeeage aggeagette ttgeagagge c
```

<210> 226

```
<211> 2432
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 428665
<400> 226
gtcacgggtg gcgggcgcgg gaaggggatt tggattgttg cgcctctgct ctgaagaaag 60
 tgctgtctgg ctccaactcc agttctttcc cctgagcagc gcctggaacc taacccttcc 120
cactetytea cettetegat coegeoggeg etttagagee geagteeagt ettggateet 180
teatrogica externa expensiva expensi
acagtggaac tagatacttt ggctgctgaa acagctggaa ccttgactac taagcaccct 420
gactatgeta teetggeage caggateget gtetetaact tgcacaaaga aacaaagaaa 480
gtgttcagtg atgtgatgga agacctctat aactacataa atccacataa tggcaaacac 540
teteceatgg tggccaagte aacattggat attgttetgg ccaataaaga tegeetgaat 600 tetgetatta tetatgaceg agatttetet tacaattaet teggetttaa gaegetagag 660
cggtcttatt tgttgaagat caatggaaaa gtggctgaaa gaccacaaca tatgttgatg 720
agagtatctg ttgggatcca caaagaagac attgatgcag caattgaaac atataatctt 780
ctttctgaga ggtggtttac tcatgcttcg cccactctct tcaatgctgg taccaaccgc 840
ccacaacttt ctagctgttt tcttctgagt atgaaagatg acagcattga aggcatttat 900
gacactctaa agcaatgige attgatttet aagtetgetg gaggaattgg tgittgetgtg 960 agttgtatte gggetaetgg cagetacatt getgggacta atggeaatte caatggeett 1020
gtaccgatgc tgagagtata taacaacaca gctcgatatg tggatcaagg tgggaacaag 1080
gattyco ogogatat tacatata gretyataty typataay 1993
cytectgggg cattyctat tacotggag cettggcatt tagacatett tgaattett 1140
gatttaaaga agaacacagg aaaggaaga cagcytycca gagatettt ttyattett 120
tygattegg atetetteat gaaacgagty gagactaate aggactygt ttygatgtt 1260
ccaaatgagt gtoctggtet ggatgaggtt tggggaagag aatttgagaa actatatgca 1220
agttatggaga aacaaggteg tytccgcaaa gttgtaaaag ctaggaagt ttygtatgcc 1380
atcattgagt ctcagacgga aacaggcacc Ccgtatatgc tctacaaaga ttcctgtaat 1440
cgaaagagca accagcagaa cctgggaacc atcaaatgca gcaacctgtg cacagaaata 1500
gtggagtaca ccagcaaaga tyaggttgct gtttgtaatt tggcttcoct ggccctgaat 1560
atgtatgtca catcagaaca cacatacgac tttaagaagt tggctgaagt cactaaagtc 150
gttgtccgaa acttgaataa aattattgat ataaactact atcctgtacc agaggcatgc 1680
ctatcaaata aacgccatcg cccattgga attggggtac aaggtctggc agatctttt 1740
atcctgatga gatacccttt tgagagttga gaagcccagt tactgaataa gcagatcttt 1800
gaaactattt attatggtgc tctggaagc acctgtgacc ttgcaagtgcca gcagggccca 1860
tacqaaacct atqaqqqctc tccaqttagc caaaqqaatt cttcaqtatq atatqtqqaa 1920
tgttactcct acaqacctat gggactggaa ggttctcaag gagaagattg caaagtatgg 1980
tataagaaac agtttactta ttgccccgat gcctacagct tccactgctc agatcctggg 2040
gaataatgag tocattgaac citacaccag caacatetat actegoagag tettgicagg 2100
agaatticag aitgiaaate cicacitati gaaagateta acegagogg gectatggca 2160
igaagagatg aaaaaccaga itaitgoatg caatggetet aitcagagoa taccagaaat 22
tcctgatgac ctgaagcaac tttataaaac tgtgtgggaa atctctcaga aaactgttct 2280
caagatggca gotgagagag gtgotttoat tgatcaaage caatotttga acatocacat 2340
tgottgaggt ggtaaggott tgotggacco tgttgcaggo aaaaggagta attgatttaa 2400
agtactotta atgatottaa tgatttttt tt
<210> 227
<211> 1375
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 002234.3
<400> 227
ttggccacag cagegegagg egggcaeggg gtattgteeg geteeggegg eggeggtegg 60
tgetgegaga geggegggg eggeggggt eggeageggg agggegegeg geegagegga 120
ggeggagteg gegeegagaa catggetgga ggeaaagetg gaaaggacag tgggaaggee 180
aaggetaagg cagtateteg etcacagaga getgggetac agttteetgt gggeegcate 240
cacagacact tgaagacteg caccacaage catggaaggg tgggtgccac tgctgccgtg 300
```

cotaaggatic togaaggat tagaaggat tagaaggat tagaaggat tagaatacacaagat chot sugtugaatti thaa aagaaacatti tataacatti tacaattitatoa gactatti tacaacaattit tacaacaattit tacaagaattit tacaagaattit tagatot gaatattatugatot gagaatacat cagaacattot tagaagcot tagaagcotta gagaagacaa gagaagaagaagaagaagaagaagaagaagaagaaga	totgga gtacotcact agtaaa gogtatoact tictot tatoaagget gattgg aaagaaggga toccog toattgtact caacag ttaaattggaa tigtot tagasttgaa titget aggittetoc aaatta attyotco atatot ittoaatga atatot ittoaatga accatt tittaaaa atagta giggaattai gagigo totaactgac cacaga attyotgga gagattai gagigo totaactgac acaga attyotgga gagattai	cogogicact accatagetg cagoagaaaa gtaactggga aagoatagac gttgataaa ogtgtgtttt taaactgttct tcagattggt tgataccatg gactaaggaa tttgagagat ttgagagat ttgataccatag aagaagttg tagccaaaa	tgcagcttgc ggggtggtgt ctgcttagag cagaagaaat aattactgta agtacctttt atacaaaaat gttcatgatg tattcagagt gtatattgac aaaacctgcc gttagattat caccaagcac ttcctgccac aacattgac acaatgacac	aatcogtggt gatcotteac ggatcotteac ggatgettta aatggggata gacatgatga eatgtggtga ggaattgata aacttagaaa acttagatgc aattaaatca agaaaagtat ttaccatgtg attatagatg tggtagatag agtttacot	420 480 540 600 650 720 780 840 900 960 1020 1140 1200 1260
<pre><210> 228 <211> 3631 <212> DNA <213> Homo sapi</pre>		cocciatgge	connecto	ageee	1373
_	ure No: 1000139.13				
<400> 228 cgcggcggg cgcdggcgg cgcdcatgtggcg cgcdcatgtggcg cgcdcatgtggcg cgcggggagga gggggggga ggggggga ggggggagga gagggagga caggtcatgg caggtcatgg caggtcatgg caggtcatgg caggtcatgg caggtcatgg caggtcatgg caggtcatagg caggtcatagg cagttcatagg catgtgccaag gaagttcaag gatgtcgaag gatgtgcaag aaaattcaag tcattaaaact cagtttta cacggtttta cacggtttta cacaggtttta cactgtttta cacaggtttta cacagatatat ttta tacaaacacag taca aatatttatatt ttacttatatt ttattatatat ttattatatatt ttactgtttt cacagatggg cacaaacacag tacaaacacag cacaaacacag cacaaacacag cacaaacacag cacaaacacag cacaaacacag cacaaacacag cacaaacacag cacaacacaca cacaacacaca cacaacacaca cacaacacaca cacaacacaca cacaacacaca cacaacacaca cataacacaca cacaacacaca cacaacacaca cacaacacaca cacaacacaca cacaacacaca cacaacacaca cacaacacaca cacaacacaca cacaacacaca cacaacacacaca cacaacacacaca cacaacacacacaca cacaacacacacacacacacacacacacacacacacac	acacgg ctcactogg gogogo cotystocto gogoty cotyctogg gogogo gogogogo gogogo gogogogo gogogo gogo gogogo gogo gog	ggogocatg ggagococat gagacocgog ggggyfygog aagagogga gtgtgoaaga cagctygogg atcatggtg atcatggtg atcatggtg atcatggtgaaca gacoggaca atggttaaaa atcaatca agatcaacaa atcaatca ggttaaaa atcaatcaa gattaaacaa ataagataaac gtttgaacgatga attatatgt gaactgatg catcatagg catcaacga tttttcaacgac tttttcaaccac cagataanag caatttaaccac cagataaaga cattaacacac cagataanag caatttaac	gictyctict gictyctict gogacgoga acgetytogg gogacgoga goggtaaag goggtaaag goggtaaag cocagoa cocagityta aggtaaaag acgtgaaaa acgtgacat tatotectt gacagotte gaaaagutte aaaaagutte taaaaagtte taaaaagtte taaaaagtte taaaaagtte taaaaagtte taaaaagtte taaaaagta tagutaatg ftagutaatg goggatagaa ftagutaatg goggatagaa	cetgátecig ctectycoog ctgotycoot gyggtactyc gyggyagoga gygtytogg gygygoga gygtytogg gygyoga gygtytogg gygyacoga agyatoapa agyatoapa agyatoapa agyatoapa agyatoapa ataataat ctaaaaaat ctaaaaaat agyatogaa gygtycaa gygtycaa gygtycaa gyctycaa goctaaaaa tcaattote agyatogaa guttygcaa goctaaaaa guttygcaa gyttygcaa gyttygcaa gyttygcaa gyttygcaa gyttygcaa gyttygaa ttogaaaag ttytygcaa gyttygaa ttygaaac gyttygaa ttygaaac gyttygaa ttygaaac gyttygaa ttygaaac gytygaat ttygaaag ttygaac gytygaat ttygaac gytygaat ttygaac gytygaat ttygaac gyattyga ttygaat gyattyga ttygaat gyattygaac gyattyga ttygaat ttygaac gyattyga ttygaat tygaat ty	120 180 240 300 420 540 660 720 840 960 900 900 1020 1140 1140 11320 1150 1150 11620 11680 11780 11
cctgatccac aatg agcgtctatt ggtg taataacatc atct	ecttatt ttacaaaatt jeeegte tegetagtte jeeetee aatteatett jeetgat acacgaacce atgeete atgeeetgge	tgagaaaagt cattttcagg ctggagctat	gctacagtct caaggtgact caaaccatca	ctcttggtat gttttgccta tcatccagct	2100 2160 2220

```
ettettgate aaateetttt ttagaeteet gttetttgta tgagegatag aaaacagaee 2340
tgaagaagee geggtetaca getgaacgat teatgataac agagtettee tgattatate 2400
cagtgtatqa tgcaatggcc acaattgagt tgatgcctgc tggcagctct ctaaatcgta 2460
gatattecat agacegtgta gteacaagtg gettttgagg ataatagaga acatgggeca 2520
atgtgtccat gcgaacatgg aagttggtga tgtaaactcc catagcctgc ttacccatag 2580
cagactogta totottteta goggactogt tatgateagg aaagggaata atagatgcae 2640
agacaccaag gatcattgag ggatgaatct cacagtgtgt atatgtggaa caataagcta 2700 cttctttctc cigtaaatca tctggagtca ttgcaagcat cactgtttct tcttccaggg 2760 atacaatca ctcagtacc cacatggcca caagatcctg caacataa ttgsttatat 2820 ctctctcttt caattggtca atatgcctct tcttcaaaag tagcttttgt ttttccacaa 2880
teagaagtgg tetacaaata eggetgeat etgtatagat eegaatetee etetetegaa 2940
tatetetgat catagaaaet teagacacaa tgatgteeat etgacgtete aattteetta 3000
gggtgttcat aagttgtteg ggatetttat gtatteeaac ceagcageca ttaacaaaaa 3060
tettggttge atcageaata getgeaggag aaatttette taaattttee atacteeatt 3120
cttctaaaaa ttccagaatt ggagatggtt gagatccaac tgaaatatat gccatcaagg 3180 ctaaattett cacaagtcct acagcatggc ctctggggt ctcggcagga cacaccattc 3240
cccacaacgt attatgcaac tgtcttggtt ttgctagctt gccgtctcta ccaataggag 3300
aatttaanaga acqcaggtga gaaaqagtag acqcaaaagt cagccggttt acaccctgag 3360
atactccage totggettga tgagctttet titgateace coagttteca gtagctaaag 3420
agtatttag gecatcagat atgatcegtg tittaattge caactccaag taaaatect 3480
btcctcgate aataaattte tgigcataga tecgcactte titaagcaaa ticttaaaca 3540
tacctetasa taagaatgca agcagggcc cagcaagatc caatctettg tttccatagt 3600
gatetetgte atctagttet ettetaccea a
<210> 229
<211> 2806
<212> DNA
<213> Homo sapiens
<221> misc_feature
<223> Incyte ID No: 998534.1
<400> 229
agattegegg cegegtegae ggtgegeeea ceggteeege egggegeeeg egggaegege 60
cgccagggcc ctotccgccg ggggctcggc gctcgcccac ctottccaaa tttaaccatt 120 acctaaatcc gaagggaaat gagcaaacct ctcggattgg gtgtcaaggt ctcctccggg 180
ctgggctga gcaagccctc ggattgacg tggttgacag cggctccagg gactcttgg 240
gcgcagtggg gaagtgccg gaccacatg ccgcgtcat ttctcqtcaa aagcaagaag 300
gctcacaggt accaccatg ccgcgtcat ttccgtcaa aagcaagaag 300
gctcacaggt accaccatg cggctccc
egggacegtt tgtecceega ategeagetg acegaagece cagacagage etcegeatec 480
cccagacage tgcgaagcag cgtctgcgaa cggagetcgg agtttgagga cttctggagg 540
ecceogteae ceteogogte tecagecteg gagaagteaa tytgeecate getggaegaa 600
getgaegeet teceotigee theaaacog tacteatiga geggeetigge ggyttetgae 660
getgoggeaee tygtgeagag etaecgaeg tytgggeee tygagegtig egetggeets 720
ggcetettet gtgaacegg eccggaget ggcacegg ecgegetgta eggceggaag 780
egggetgeeg geggegeggg ggeegggge eeagggaact geategeagg ggeeggtgee 840
accgetggee etggeetagg getetaegge gaettegggt etgeggeage egggetgtat 900
gaaaageeea eggeagegge gggettgetg taeeeegage gtggeeaeeg getgeaegea 960
aacaaaggcg ctggcgtcaa ggtggagtcg gagctgctgt gcacccgcct gctgctgggc 1020
ggcggctcct acaagtgcat caagtgcagc aaggtgtttt ccacgccgca ggggctcgag 1080
gtgcacgtgc gcaggtccca cagcggtacc agaccctttg cctgcgagat gtgcggcaag 1140
acctteggge acgeggtgag cetggageag cacaaageeg tgeactegea ggaacggage 1200
tttgactgta agatetgtgg gaagagette aagaggteat ceacactgte cacaccetg 1260
cttatecact cagacacteg geoctacece tgtcagtact gtggcaagag gttccaccag 1320
aagtcagaca tgaagaaaca cactttcate cacactggtg agaagcetca caagtgccag 1380
gtgtgeggea aggeatteag ceaqagetee aaceteatea eccacageeg caaacacaca 1440
ggetteaage cetteggetg egacetetgt gggaagggtt tecagaggaa ggtggacete 1500
cgaaggcacc gggagacgca gcatgggete aaatgagcac cetggetgge tgcaagcage 1560
agetacacaa cactacagag ggcagectee etgettgeca ecactetget ecetgettge 1620 etceaetece ttetgaettt ecagaceca ggtecagtet geagatecta ecaggttget 1680
cetecttege ettaceteet ggagetgeea gaagaaatga ggtaceettt caaagtgeag 1740
cogagagtga gaaccaagtg actetetagg etteggacac aaataggete etetacacet 1800
gaagacaaag gcaaagtcaa atggggacca gaataaatct tagaccccac agtccttccc 1860
atttecagee etaatetaea gacaggaatg ceetteaggt ttettecete ecceetettg 1920
acetacecca gatatttgtg tggaagagga ggaateacca tttacaaggt ggacaaatge 1980
```

```
taatattttt atetagaaag aagagtgagt gttaaetttt attttttee ttetgggggg 2040
totgttgact cetttettt gggtgetgee tataaatett ggaggaatea ttteteetee 2100
tcaaaaactg attcagaaac tgacttgggg aaggaattta atactttgaa gtcatgagat 2160
graccatega ggetacece aagaagaage agaagaaga ttggtaatga gaggggatta 2220
gaggtectee etteagtagg getgtgaaaa ceteateaet ggaggtaaaa geacaageaa 2280
tgeetgtgga caagatgtea tteatteaet cagcaaatgt teatggatea eeggetacea 2340
aggtaccagg caccatgcta ggtattgggg aagagagact gaagtcacaa ccctgactg 2400
ctecteaaaa getaaeggtt geaceteeaa qtqqctqqqt etqttettae tettggaggg 2460
aattetgaga agacagcaca gaattgtaaa cettecettt tgaceetttt ggattittate 2520
aggtgtaaac aaaaagetga acagttaett caaagatatg tgtgtatatt cagttittta 2580
tigtiaaget gatatittaa agatttetga getageagge atgtgggaag gaaggetetg 2640
tetteaacte tttgaccete catgtgtace atagaggggg gaaaggtggt atttteactt 2700
tgatgaggtt ggtaaatgtt tttagatett etggtaagea ttatgtttgt taatacatat 2760
ttattagagt gatgttttaa gttaataaag tattaagagt aaacaa
<21.0> 23.0
<211> 2844
<212> DNA
<213> Homo sapiens
-22N>
<221> misc feature
<223> Incyte ID No: 372377.6
<400> 230
gttgaaaget cetggegegg eggggeggae tecacecetg eeeggeagee cagegeetee 60
ggeegeactt ceagetetet gegeageeeg eegegeagee egeegeeea geeatgggeg 120
aageeeetga eggaeeagga gaageggegg cagateagea teegeggeat egtgggegtg 180
gagaacgtgg cagagctgaa gaagagtttc aaccggcacc tgcacttcac gctggtcaag 240
gagaadgygy dagaagtgtaa gaagagttta aaduggaat tysacttaa yetygicaag 220
gaccgcaacg tygocaccac cogcgaatac tacttogge tygocycacac gytycycyac 300
cacctygtyg ggogotygat cogcaayag asgaatact acgacaagty coccaagagg 360
gtatattace tetototyga attitacaty ggocyaacat tacagaacac catyatacaa 420
tagaagaa tigaagaaga tgotggactt ggcaatggt gtottggag acttgctgcc 540
tgcttcttgg attcatgg aaccetggg cttgagct tggtagag acttgctgcc 540
gaatatggga ttttcaatca gaagatcoga gatggatggc aggtagaaga agcagatgat 660
tggctcagat atggaaacc
ttctatggaa aagtagaaca caccaacacc gggaccaagt ggattgacac tcaagtggtc 780
etggetetge eatatgacae eccegtgece ggetacatga ataacactgt caacaccatg 840 egeetetggt etgeteggg accaaatgac titaacetca gagacttaa tgttggagac 900 tacaattcagg etgtgetgga ecgaaacetg geogagaaca teteceggggt ectetatece 960
aatgacaatt tttttgaagg gaaggageta agattgaagc aggaatactt tgtggtggct 1020
graacettge aagatateat cogcogttte aaagetteea agtttggete caccogtggt 1080
geaggaactg tgtttgatge etteeeggat caggtggeea tecagetgaa tgacacteae 1140
cetgeacteg egatecetga getgatgagg attittgtgg atattgaaaa actgeectgg 1200
tecaaggeat gggageteac ecagaagace ttegeetaca ceaaceacac agtgeteeg 1260
gaagccctgg agcgctggcc cgtggacctg gtggagaagc tgctccctcg acatttggaa 1320
atcatttatg agataaatca gaagcattta gatagaattg tggccttgtt tcctaaagat 1380
gtggaccgtc tgagaaggat gtctctgata gaagaggaag gaagcaaaag gatcaacatg 1440
gccattctet gcattgtogg tteccatget gtgaatggeg tggctaaaat cactcagac 1500
atcgtgaaga ctaaagtatt caaggactte agtgagctag aacctgacaa gtttcagaat 1560
aaaaccaatg ggatcactcc aaggogctgg ctcctactct gcaacccagg acttgcagag 1620 ctcatagcag agaaaattgg agaagactat gtgaaagacc tgagccaget gacgaagctc 1680
cacagettee tgggtgatga tgtetteete egggaacteg ceaaggtgaa geaggagaat 1740
aagelgaagt titeleagit eetggagaeg gagtaaaaag tgaagateaa eedaleelee 1800
algitigaagt tooggitgaa gaggatacat gagtacaagg gacageteit gaacigteig 1800
catgigate o galigaaca eegaattaag aaagacaccia agaagttatt egtgecaagg 1920
acagttatca ttggtggtaa agetgeecca ggatatcaca tggccaaaat gatcataaag 1980
ctgatcactt cagtggcaga tgtggtgaac aatgacccta tggttggaag caagttgaaa 2040
gtcatcttct tggagaacta cagagtatct cttgctgaaa aagtcattcc agccacagat 2100
ctgtcagage agatttccae tgcaggeace gaageetegg ggacaggeaa tatgaagtte 2160
atgctaaatg gggccctaac tatcgggacc atggatgggg ccaatgtgga aatggcagaa 2220
gaagetgggg aagagaacet gtteatettt ggeatgagga tagatgatgt ggetgetttg 2280
gacaagaaag ggtacgaggc aaaagaatac tatgaggcac ttccagagct gaagctggtc 2340
attgatcaaa ttgacaatgg ctttttttct cccaagcagc ctgacctctt caaagatatc 2400
atcaacatge tattttatca tgacaggttt aaagtetttg cagactacga agectatgte 2460
aagtgtcaag ataaagtgag tcagctgtac atgaatccaa aggcctggaa cacaatggta 2520
```

```
ctcaaaaaca tagctgcctc ggggaaattc tccagtgacc gaacaattaa agaatatgcc 2580
caaaacatet ggaacgtgga acetteagat etaaagattt etetateeaa tgaatetaac 2640
aaagtcaatg gaaattgaac totacaatgt ctotagaaaa catagettot tactgaactt 2700
gaacattttt acaacattca ctggtttttg ttttgttagc taataatcta taatagttga 2760
gtatototogg gaatggggag ggaaattata tgtaatagag ottaaaaata aagtgtoaat 2820
ttccaaggga aaaaaaaaaa aaaa
<210> 231
<211> 2554
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incvte ID No: 1101412.4
<400> 231
getegaggag asagtagete cagcagcace egagagggte aggagaaaag eggaggaage 60
tgggtaggec ctgaggggec teggtaagec atcatgacca eccggcaage cacgaaggat 120
cocctcctcc ggggtgtatc tcctacccct agcaagattc cggtacgctc tcagaaacgc 180
acgcetttee ceaetgttae ategtgegee gtggaccagg agaaccaaga tecaaggaga 240
tgggtgcaga aaccaccgct caatattcaa cgccccctcg ttgattcagc aggccccagg 300
cegaaageca ggcaccagge agagacatca caaagattgg tggggatcag tcagectegg 360
aaccccttgg aagagetcag gectageeet aggggtcaaa atgtggggee tgggeeeeet 420
geccagacag aggetecagg gaccatagag titgiggetg accetgeage eitggecace 480
agagtetgteag gtyaggytgt gaagagetgt eacetgggge gecagectag tetggecaas 440
agagtactyg ttegaggaag teagggaage accaccaga gggtecaggg tytteggge 600
totgcatatt tggcccccag aacccccacc caccgactgg accctgccag ggcttcctgc 660
ttetetagge tggagggac aggacetega ggeoggacat tgtgoceca gaggetacag 720
getetgattt cacetteagg acetteettt cacetteca etegececag tttccaggag 780
ctaagaaggg agacagetgg cagcageegg acttcagtga gecaggeett aggattget 840
etggagacce cagtecagce tgetttetet ettectaaag gagaacgega ggttgteaet 900 caeteagatg aaggaggtgt ggeetetett ggtetggeee agegagtace attaagagaa 960
aaccgagaaa tgtcacatac cagggacage catgactece acctgatgee etcecetigee 1020
cctgtggccc agcccttgcc tggccatgtg gtgccatgtc catcaccctt tggacggct 1080 cagcgtgtac cctcccagg ccctccaact ctgacctcat attcagtgtt gcggcgtctc 1140
acceptional character geteracacce atgreatem coccagage toagragee 1200 cagtggetge gtggtgtete cecteagtee tgetetgaag atcetgeest gecetgggag 1260
caggitgccg tccggftgtt tgaccaggag agttgtataa ggtcactgga gggttctggg 1320
aaaccaccgg tggccactcc ttctggaccc cactctaaca gaacccccag cctccaggag 1380
gtgaagatte aacgcategg tateetgeaa eagetgttga gacaggaagt agaggggetg 1440
gtagggggee agtgtgteee tettaatgga ggetettete tggatatggt tgaaetteag 1500
cccctgctga ctgagatttc tagaactctg aatgccacag agcataactc tgggacttcc 1560
caccttectg gactgttaaa acactcaggg ctgccaaagc cctgtcttcc agaggagtgc 1620
ggggaaccac agecttgece teeggeagag eetgggeeee cagaggeett etgtaggagt 1680
gagectgaga taccagagec etceetccag gaacagettg aagtaccaga gecetaceet 1740 ccageagaac ccaggeceet agagteetge tgtaggagtg ageetgagat accggagtee 1800
tetegecagg aacagettga ggtacetgag ecetgecete cageagaace caggeceeta 1860
gagtectact gtaggattga geetgagata ceggagteet etcegecagg aacagettga 1920
ggtacctgag ccctgccctc cagcagaacc cgggcccctt cagcccagca cccaggggca 1980
gtotggacco coagggcoot goodtagggt agagetgggg goatcagage cetgoaccot 2040
ggaacataga agtotagagt coagtotaco accotgotge agtoagtggg etocagoaac 2100
caccagecty atettetett eccaacacce getttgtgee agecececta tetgeteact 2160
ccagtetttg agaccccag caggecagge aggectcage aatetggeec etegaacect 2220
agecetgagg gagegeetca aategtgitt aacegecate cactgettee acgaggeteg 2280
tetggacgat gagtgtgeet tttacaccag cegageceet ceetcaggee ceaccegggt 2340
ctgcaccaac cctgtggcta cattactcga atggcaggat gccctgtgtt tcattccagt 2400 tggttctgct gcccccagg gctctccatg atgagacaac cactcctgcc ctgccgtact 2460
tetteetttt agecettatt tattgteggt etgeceatgg gaetgggage egeceaettt 2520
totcctcaat aaagtttcta aagtaaaaaa aaaa
<210> 232
<211> 616
<212> DNA
<213> Homo sapiens
<220>
```

```
<221> misc_feature
<223> Incyte ID No: 261567.5
<400> 232
agteteegge gagttgttge etgggetgga egtggttttg tetgetgege eegetetteg 60
cgctctcgtt tcattttctg cagcgcgcca gccaggatgg cccacaagca gatctactac 120
tcggacaagt acttcgacga acactacgag taccggcatg ttatgttacc cagagaactt 180
tecaaacaag tacetaaaac teatetgatg tetgaagagg agtggaggag acttggtgte 240
caacagagte taggetgggt teattacatg atteatgage cagaaccaca tattettete 300
tttagacgac ctcttccaaa agatcaacaa aaatgaagtt tatctgggga tcgtcaaatc 360
ttttttcaaat ttaatgtata tgtgtatata aggtagtatt cagtgaatac ttgagaaatg 420
tacaaatett teateeatae etgtgeatga getgtattet teacageaac agageteagt 480
taaatgcaac tgcaagtagg ttactgtaag atgtttaaga taaaagttct tccagtcagt 540
ttttetetta agtgeetgit tgagtttaet gaaacagttt acttttgtte aataaagtit 600
gtatgttgca tttaaa
<210> 233
<211> 2122
<212> DNA
<213> Homo sapiens
<221> misc feature
<223> Incyte ID No: 232713.2
egggggeggg geacetetgt geagggttee eagteacege gacgeteete gggaageeat 60
agggegeete ceagecegte teccegetee agtttagaae etaatteeea atteceggae 120
cgggcccage cetgggetet tactgteege tittgetggg acctgtteea caaatgggeg 180
telletgeet tgggeegtgg gggttgggee ggaagetgeg gaegeetggg aaggggeege 240 tgeagetett gageegeete tgeggggaee aettgeagge eateceagee aagaaggee 300
eggetgggea ggaggageet gggacgeege eetectegee getgagtgee gageagttgg 360
accogateca gaggaacaag geogeggeee tgeteagaet egeggeeege aacgtgeeeg 420
tgggctttgg agagagctgg aagaagcacc tcagcgggga gttcgggaaa ccgtatttta 480
tcaagctaat gggatttgtt gcagaagaaa gaaagcatta cactgtttat ccaccccac 540
accaagtott cacotygaco cagatytyt acataaaaga tytyaagytt ytcatootyy 600
gacagyatoc atatoatyya cotaatcaay otcacyyyot otyottayt ytcaaagyo 660
ctgttccgcc tccgcccagt ttggagaaca tttataaaga gttgtctaca gacatagagg 720
attitigatica teetggeeat ggagatttat etgggtggge caageaaggt gtteteette 780
tcaacgctgt cctcacggtt cgtgcccatc aagccaactc tcataaggag cgaggctggg 840
agcagttcac tgatgcagtt gtgtcctggc taaatcagaa ctcgaatggc cttgttttct 900
tgototgggg ctottatgot cagaagaagg gcagtgcat tgataggaag cggcaccatg 960
tactacagac ggctcatccc tcccetttgt cagtgtatag agggttcttt ggatgtagac 1020
actiticaaa gaccaatgag ctgctgcaga agtctggcaa gaagcccatt gactggaagg 1080
agotgtgate atcagotgag gggtggcott tgagaagetg etgttaacgt atttgccagt 1140
tacgaagtte cactgaaaat tttcctatta attettaagt actetgcata agggggaaaa 1200
gettecagaa ageageeatg aaccaggetg tecaggaatg geagetgtat eeaaccacaa 1260 acaacaaagg etaccetttg accaaatgte tttetetgca acatggette ggeetaaaat 1320
atgcagaaga cagatgaggt caaatactca gttggctctc tttatctccc ttgcctttat 1380
ggtgaaacag gggagatgtg cacctttcag gcacagccct agtttggegc ctgctgctcc 1440
ttggttttgc ctggttagac tttcagtgac agatgttggg gtgtttttgc ttagaaaggt 1500
cecettgtet cageettgea gggeaggaat gecagtetet gecagtteea etgeeceett 1560
gatetttgaa ggagteetea ggeecetege ageataagga tgttttgeaa ettteeagaa 1620
totggcccag aaattagggc tcaatttcct gattgtagta gaggttaaga ttgctgtgag 1680
ctttatcaga taagagaccg agagaagtaa gctgggtctt gttattcctt gggtgttggt 1740
ggaataagca gtggaatttg aacaaggaag aggagaaaag ggaattttgt ctttatgggg 1800
tggggtgatt tteteetagg gttatgteea gttggggttt ttaaggeage acagactgee 1860
aagtactgtt ttttttaacc gactgaaatc actttgggat attttttect gcaacactgg 1920
aaagttttag ttttttaaga agtactcatg cagatatata tatatatatt tttcccagtc 1980
ettittttaa gagaeggtet ttattgggte tgeaccteca teettgatet tgttageaat 2040
getgttttttg etgttagteg ggttagagtt ggetetaege gaggtttgtt aataaaagtt 2100
tottaaaagt taaaaaaaaa aa
<210> 234
<211> 2673
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> Incyte ID No: 214335.13
<400> 234
egggaggege etegtgegga ggeggeeega ggetagtga eaggegegeg gegggaeeee 60
ggaagccac ctgtcagaga taccggtcag ccgggcgggc gccgccgggg tctgggtgg 120
acgccgcgag cctgcacgtt gcgccgggac cccggggctg tgcccagaaa aatcatttt 180
cttctctggg aaggtgaaca tttgtagcat tgatttcccg gatctggtaa catggcaaaa 240 gatgccggtc taattgaagc caacggagaa ctcaaggtct tcatagacca gaaccttagt 300
ccegggaaag gcgtggtgtc cctcgtggcc gttcacccct ccaccgtcaa cccgctcggg 360
aagcagetet tgecaaaaac etttggacag tecaatgtea acattgeeca gcaagtggta 420
augustet igetaaaan trugatay teraangta aratyota gaabgigta attigtaga chaqagaac ggaaggta aacaccty tytatagaag ccaacacac 480 ccaqcacte acttfycto taqaacag cettecqact cetaactty gtetfocggg $40 aagegcaaca ggaatttete catgaagte 600 bgcggaaag tgcagaggaa agggaccact tectacacy aagtgccag aggactyf 660
tgcggagttc agtgctgccg acaaccacat cttaccaaac gagtcagctt atgaccagaa 720
aaacataaga cggcgcgtct acgatgcett aaacgtgcta atggccatga acatcatctc 780
caaggagaag aaggagatca agtggattgg totgcccacc aacteggete aggaatgtca 840 gaacttagag gtggaaagac agaggagact tgaaagaata aaacagaaac agtctcaact 900
tcaagaactt attctacagc aaattgcett caagaacctg gtgcagagaa accggcatgc 960
ggagcagcag gccagccggc caccgccacc caactcagtc atccacctgc ccttcatcat 1020
cotcaacacc agcaagaaga cogtcatcga ctgcagcatc tccaatgaca aatttgagta 1080
totgtttaat titgacaaca catttgaaat ccacgatgac atagaagtgc tgaagcggat 1140
gggcatgget tgcgggctgg agtcggggag etgetetgee gaagacetta aaatggceag 1200 aagtetggte eccaaggete tggagceata egtgacagaa atggeteagg gaactgttgg 1260
aggegtgite atcacgacgg caggitecae gictaacgge acaaggitet cigccagtga 1320
cotyacoaa ggtycapaty gystyctog cacaaguc astgyttt gytagyda 1880
ctocagydy gagactocg tytoctacy cygyagyac gacyagyagyac gacyagyat 220
caacgagat gacyagyac actyacyte teccactt agattegyc toagyasaac 1500
gtttagoga aagaaactt tittitaaty tygyttite gttoctiti gycotacto 1840
caagaagata tigytaagu attyaatta gatatycac titocitti gycotactoc 1850
caagaagata tigytaagu attyaattta gatatycac titoataaga aaggatytt 1620
tecogtagga ttaggacyts cytiggatti gyfittigat accagtytge gaityaaga 1680
egittatita ettyttagga ttitygtil teattycia tittettita appeagag 1740
teattitige ecotgaaaga tittiggtil teattycia tittettita appeagag 1740
teattitige ecot
tacggtgtcc aagcaaacag cagaatgcaa ctttctaaac agccccaagc aaacagcaga 1980
atteaacttt ttaaacaata aacaccatca acettattga ctttattgtc cettaaatta 2040
tattgactgt tgtgattcca tcaagtttgt acactctttt ctctccctgt tttgcagcaa 2100
caaattgcga agtgcttttg tttgtttgtt ttcgtttggt taaagcttat tgccatgctg 2160
gtgcggctat ggagactgtc tggaaggctt ggaatggttt attgcttatg gtaaaatttg 2220
cetgatttet tacaggcage gtttggaaac ettttattat atagttgttt acatacttat 2280
aagtotatoa titaaagaca tgtactgaaa caaatgtatt tgtitoataa gcatottoot 2340 gtaatotatt ataaaattga aattaaatat agagaatgti ttaacaatti titaactcaa 2400
aattigicaa toattittaa tagitottit titataaaaa gaaaaaggaa titaaggaca 2460
ogcagtagte tettttaaaa tttatteaca aaacccatta actgcacagt tgctattage 2520
tgcctgttct aaaacgatag tctttttatt gaaacacaaa taaacttttc tgtaatattt 2580
tatggtatat aaagagactt taattgtttg acttgtttaa cttggcactg ttagttttta 2640
ttaataaaac gcgcatgggc attttaaaaa aaa
<210> 235
<211> 4409
<212> DNA
<213> Homo sapiens
<221> misc_feature
<223> Incvte ID No: 331022.33
tttegacteg egeteegget getgteactt ggetetetgg etggagettg aggaegeaag 60
gagggtttgt cactggcaga ctcgagactg taggcactgc catggcccct gtgctcagta 120
aggaetegge ggaeategag agtateetgg etttaaatee tegaacacaa acteatgeaa 180
ctctgtgttc cacttcggcc aagaaattag acaagaaaca ttggaaaaga aatcctgata 240
agaactgett taattgtgag aagetggaga ataattttga tgacatcaag cacacgactc 300
ttggtgageg aggagetete egagaageaa tgagatgeet gaaatgtgea gatgeeeegt 360
```

otcagaagag	ctgtccaact	aatcttgata	ttaaatcatt	catcacaagt	attocaaaca	420
agaactatta	tggagctgct	aagatgatat	tttctgacaa	cccacttoot	ctgacttgtg	480
gaatggtatg	tccaacctct	gatetatoto	taggtggatg	caatttatat	accactgaag	540
addagadaa t	taatattggt	gatttacage	aatttaataa	tagaatatta	geodoegdag	600
	gatcagaaat					
	tgetettttt					
clegatiggg	gtactctgac	accactatat	Ligaaaaaca	agaacacgcc	ggtggtttaa	750
gtacttetga	aattcctcag	tteeggetge	cgtatgatgt	agtgaatttt	gagattgagc	840
	ccttggtgta					
ctcttagcac	tttgaaagaa	aaaggctaca	aagetgettt	cattggaata	ggtttgccag	960
	agatgccatc					
	gccacttgta					
cattgccatc	gatacgggga	gtcgtgattg	tacttggagc	tggagacact	gcctttgact	1140
	tgctctacgt					
ttottaatat	aagagetgte	cctgaggaga	tagaacttac	taaggaagaa	aagtgtgaat	1260
ttctgccatt	cctgtcccca	coggaaggtta	tagtagaagg	taggagaatt	attactatac	1320
agtttgttcg	gacagagcaa	gatgaaactg	gaaaatggaa	tgaagatgaa	gatcagatgg	1380
tocatotoaa	agccgatgtg	atcatcaata	cetttaatte	agtteteagt	gatectasag	1440
	cttgagecet					
	aactaqtqaa					
adactatyca	ggaatcggtg	gcatgggtat	ttgcaggtgg	thachacht	ggcccggcca	1630
acactacagt	ggaaccggcg	aatgatggaa	ageaagette	Liggiacati	cacaaacacg	1620
	atatggagct					
ctattgatet	ggtggacatt	agtgtagaaa	tggccggatt	gaagtttata	aatcettttg	1740
gtcttgctag	cgcaactcca	gccaccagca	catcaatgat	tcgaagagct	tttgaagctg	1800
gatggggttt	tgccctcacc	aaaactttct	ctcttgataa	ggacattgtg	acaaatgttt	1860
cccccagaat	catccgggga	accacctctg	gccccatgta	tggccctgga	caaagctcct	1920
ttctgaatat	tgagctcatc	agtgagaaaa	cggctgcata	ttggtgtcaa	agtgtcactg	1980
aactaaaggc	tgactttcca	gacaacattg	tgattgctag	cattatgtgc	agttacaata	2040
aaaatgactg	gacggaactt	gccaagaagt	ctgaggattc	tggagcagat	gecetggagt	2100
taaatttatc	atgtccacat	ggcatgggag	aaagaggaat	agacetagee	tataaacaaa	2160
	ggtgcggaac					
	gaccccaaat					
	tggcgttaca					
ataaaacaa	ttggccagca	ataaaaatta	capaccagg	tacatatora	adadtatata	2400
aragearast	cagacctatt	gegggggeeg	atatasaata	cattactact	gatatacata	2460
ggacagcaac	tttggctact	geceegagag	netetantan	cactgetege	goodtttataa	
	tteegteete					
	ctgcactggc					
aagactggga	tggacagagt	ccagctactg	tgagtcacca	gaaagggaaa	ccagttccac	2700
gtatagetga	actcatggac	aagaaactgc	caagttttgg	accttatctg	gaacagcgca	2760
agaaaatcat	agcagaaaac	aagattagac	tgaaagaaca	aaatgtagct	ttttcaccac	2820
	ctgttttatc					
aagcactgca	gtaccttgga	acatttggtg	aattgagcaa	cgtagagcaa	gttgtggcta	2940
tgattgatga	agaaatgtgt	atcaactgtg	gtaaatgcta	catgacctgt	aatgattctg	3000
gctaccaggc	tatacagttt	gatccagaaa	cccacctgcc	caccataacc	gacacttgta	3060
caggetgtae	tetgtgtete	agtgtttgcc	ctattqtcqa	ctgcatcaaa	atggtttcca	3120
ggacaacacc	ttatgaacca	aagagagggg	taccettate	totoaatcco	gtgtgttaag	3180
gtgatttgtg	aaacagttgc	totoaacttt	catotcacct	acatatacta	atcttttaaa	3240
	ttgtgttcag					
	ttcaaaatac					
	cataaaatag					
	ggatgttcac					
attactata	cagtttccaa	attacaatat	gatatactac	atatttaatt	tataattata	3540
actagogoga	agcattttga	accyccctat	tetttenent	acacccgacc	etateeaage	2600
aaacacttta	tcattaaaaa	ttacctttaa	ttttaatget	gtttctaaga	adatgtagtt	3000
	agtacaaatg					
gcctaaaatt	gagtttgtag	aactttatta	agtaaaatcc	ccttcgctga	aattgcttat	3780
	ggatagagga					
	gggtgtacaa					
cctaacaaaa	tgagatgata	ggatagatcc	tggttaccac	tettttactg	tgcacatacg	3960
ggetetgaet	ggttttaata	gtcaccttca	tgattatage	aactaatgtt	tgaacaaaqc	4020
tcaaagtato	caatgettea	ttattcaaga	atgaaaaata	taatgttgat	aatatatatt	4080
	aatcagtttg					
ttttttatta	ttattagata	atatttttgt	atttctctat	tttcataatc	agtaaatagt	4200
	ctcatttatc					
aatcagaaag	taacaatcta	tagettattt	ctatoacaaa	ttcaagaaget	agaaaaataa	4320
	tatgcacttt					
-aug cectat	Jacquactit	gauacyca	Lactegodac	addaccigla	Juctyanta	2200

4409

atatcaaata aaatatcata aagcatttt

<210> 236 <211> 4130 <212> DNA <213> Homo sapiens <220> <221> misc feature <223> Incyte ID No: 332259.3 <221> unsure <222> 3511-3801, 4094, 4112, 4124 <223> a, t, c, q, or other <400> 236 cgggtagege geetgggagg gagaaagaag tegggggeeg tggegegeag ceegegggge 60 ctgaagggat gttcgaggac aagccccacg ctgagggggc ggcggtggtc gccgcagccg 120 ggyaggeget acaggecety tyccaggage tyaacetyga egaggggage geggeegaag 180 ecetygaega etttaetgee atecgaggea actacageet agagggagaa gttacacact 240 ggttggcatg ttcattatat gttgcatgcc gcaaaagcat tattcccacg gttggcaaagg 300 gtatcatgga aggcaactgt gtttcactta ccagaatact acgttcagct aaattaagtt 360 taatacaatt tittagtaaa atgaagaaat ggalggacat gicaaatcta ccacaagaat 420 ttcgtgaacg tatagaaagg ctagagagaa attttgaggt gtctactgta atattcaaaa 480 aatatgagcc aattttttta gatatatttc aaaatccata tgaagaacca ccaaagttac 540 cacgaagccg gaagcagagg aggattcctt gcagtgttaa ggatctgttt aatttctgtt 600 ggacactttt tgtttatact aagggtaatt tteggatgat tggggatgac ttagtaaact 660 cttatcattt acttctatge tgettggate tgatttttge caatgegatt atgtgeceaa 720 atagacaaga cttgctaaat ccatcattta aaggtttacc atctgatttt catactgctg 780 actitacggc ttctqaaqag ccaccetqca tcattgctgt actgtgtgaa ctgcatgatg 840 gacttetegt agaagcaaaa ggaataaagg agcactactt taagccatat atttcaaaac 900 tetttgacag gaagatatta aaaggagaat geeteetgga eettteaagt tttactgata 960 atagcaaagc agtgaataag gagtatgaag agtatgttct aactgttggt gattttgatg 1020 agaggatett tttgggagea gaegeagaag aggaaattgg aacacetega aagtteacte 1080 gtyacacccc attagggaaa ctgacagcac aggetaatgt ggagtataac cttcaacagc 1140 actttgaaaa aaaaggtoa tttgcacct t ctaccccact gaccggacgg agatatttac 1200 agaaaaaaga agaagteatt actectgttg catcagcac caaaagtgt agccggttac 1260 agagtattīt ggetggtetg aaaaatgeac caagtgacca acttataaat attittigaat 1320 cttgtgtgcg taatcetgtt gaaaacatta tgaaaatact aaaaggaata ggagagactt 1380 tetgtcaaca etatactcaa tcaacagatg aacagccagg atctcacata gactttgctg 1440 taaacagact aaagctggca gaaattttgt attataaaat actagagact gtaatggttc 1500 aggaaacacg aagacttcat ggaatggaca tgtcagttct tttagagcaa gatatatttc 1560 atcottectt gatggettgt totttggaaa ttgtgetett tgcctatage teacetegta 1620 cttitecttg gattattgaa gtteteaact tgeaaceatt ttacttttat aaggttattg 1680 aggtggtgat ccgctcagaa gaggggctct caagggacat ggtgaaacac ctaaacagca 1740 ttgaagaaca gattttggag agtttagcat ggagtcacga ttctgcactg tgggaggctc 1800 tecaggttte tgcaaacaaa gttectacet gtgaagaagt tatattecca aataactttg 1860 aaacaggaaa tggaggaaat gtgcagggac atcttccct gatgccaatg tctcctctaa 1920 tgcacccaag agtcaaggaa gttcgaactg acagtgggag tcttcgaaga gatatgcaac 1980 cattgtetee aatttetgte catgaacget acagttetee tacegeaggg agtgetaaga 2040 gaagactett tggagaggac ecceeaaagg aaatgettat ggacaagate ataacagaag 2100 gaacaaaatt gaaaateget eettetteaa geattactge tgaaaatgta teaattttae 2160 ctggtcaaac tettetaaca atggccacag ceecagtaac aggaacaaca ggacataaag 2220 ttacaattcc attacatggt gtcgcaaatg atgctggaga gatcacactg atacctcttt 2280 ccatgaatac aaatcaggag tccaaagtca agagtcctyt atcacttact gctcattcat 2340 taattygtyg tttccaaaa cagaccaatc tgactaaagc acaagaggta cattcaactg 2400 gaataaacag gccaaagaga actggyfcct tagcactatt ttacagaaag gtctatcatt 2460 tggcaagtgt acgettacgt gatctatgtc taaaactgga tgtttcaaat gagttacgaa 2520 ggaagatatg gacgtgtttt gaattcactt tagttcactg tcctgatcta atgaaagaca 2580 ggcatttgga tcagetcete etttgtgeet tttatateat ggcaaaggta acaaaagaag 2640 aaagaacttt tcaagaaatt atgaaaagtt ataggaatca gccccaagct aatagtcacg 2700 tatatagaag tgttctgctg aaaagtattc caagagaagt tgtggcatat aataaaaata 2760 taaatgatga etttgaaatg atagattgtg acttagaaga tgetacaaaa acacetgact 2820 gttccagtgg accagtgaaa gaggaaagag gtgatcttat aaaattttac aatacaatat 2880 atqtaqqaaq aqtqaaqtca tttqcactqa aatacqactt qqcqaatcaq qaccatatqa 2940 tggatgetee accactetet cettttccac atattaaaca acagecagge teaccacgee 3000

```
gcattteeca gcagcactee atttatattt ecceqeacaa gaatgggtea ggcettacac 3060
caagaagege tetgetgtac aagttcaatg geagecette taagagtttg aaagatatea 3120
acaacatgat aaggcaaggt gagcagagaa ccaagaagcg agtaatagcc atcgatagtg 3180
atgcagaatc ccctgccaaa cgcgtctgtc aagaaaatga tgacgtttta ctgaaacgac 3240
tacaggatgt tgtcagtgaa agagcaaatc attaatgttg ttcttgtttc tatgataaaa 3300
gcactttcag attgttctgc agaaagttgg agctctgtcc ttcaaacctt ttagccctat 3360
agatgataaa tatcactggg ttataagaaa aaattgcaca aaaattatgt gctttttaaa 3420
ttaagtgcet tttaaaaata ctaatagtee nnnnnnnnnn nnnnnnnnnn nnnnnnnnn 3540
принципальный принципальный принципальный принципальный принципальный 3720
nnnnnnnnn nnnnnnnnn ntetatatat caatagggaa tttttttaa tgtttgetee 3840
ttgagtttte aagatgaaat aaggagaaac cccataactt tttagctete ttttaaaaat 3900 aaatgtetee ttetgtgtte tgtaatatga ggataaataa tetaettttg atagcatget 3960
ttgagatatt tgtattctta atttaatatt gaaggaaggg gttggttccc atagtacctg 4020
gccagagggt tatataccat cotgetetetg gcccactgtg gtaattccac atccaggtac 4080 caccgccatt cagngttgtc tcacccette tngtgccttt tctntccttg 4130
<210> 237
<211> 1425
<212> DNA
<213> Homo sapiens
<221> misc feature
<223> Incvte ID No: 253570.8
ctgctgccgg gcagaagaaa agcagggcag gctggctccc aggcctcagg gtggggatgg 60 cagtgggaat gaagcacctg taactgggcc cttcctgccc taatgttcag ggggccctac 120
cectegtgag cttgtcttat taagaaccet caaaaggect aagttaacca gcaggtccaa 180
aggteccaag gaacaaggte agagacgeca gggaaaagag gtgagetgtg eaggactage 240 actgggaaaa etggeaattt gtgttgteaa gtgtgtgeet gtgeaagtge teeaactget 300
gettigggtg aactteagge ettgeetett cectateace ategteteea teaacaccet 360
ctttcttttc cagcctctcc tggtgcctta ggaatcagac gccaataaac cacagagccc 420 agcatgtcca ccttcqctt tattqagtag ttagtqttct caagctgqct cacacccatg 480
eggteagetg gggeetaggg tggetetttg caaagetgag gggeaageta aggaagecag 540
graggicagg ggccettitag gcctteteaa gcctecaect gagtitetegt eastgcagt 600
ctecetiggta tgattiggga extlateagg agaacateta atagegeaa tetigggeace 660
cacactetge tteagtigea tecatectee caceceaat teaacteetg accaataea 720
aaagactttt ttaaccagga tttcttcttg caggaaagct gacttggaaa cacggggagg 780
tggcagggag gggcaaaaag gactetggca agcagateca ettgtetggg tecetgcagt 840
gaagaaccca agatccaggt acctcagcct ggaagaaacc gtgcactgca ggtcttccct 900
totatcaaaa ctaaaagcaa ggaacagaag tcaattgaaa ccccaggtca toctacccac 960
cttctggcag tctctggata atgatctaag gaaataagct tacatttata attagaggat 1020
aatttggaga atttatacta tttacacgga ccaccctgca aagatcaggg aaggctggat 1080
ttetteetee ttgatagtet gaactggaag caaaggagaa aaccettete caaacaggag 1140
ttteteetet tteeetggte etgeagaaga aagaggaget ateceeteet eagetageag 1200
cacctgaaag ggaaacagaq ataaggtgaa ccaacggtca ccagacagga cgcacaaaaa 1260
tatcacatac gggttctgat cctctttgtg tcgttttgaa gtcttaaaat ctattaaata 1320
tgagaatacg atgtatgttg aagttggtag ttcaattctg gcggtaaaag atgcgggtat 1380
gtagtatgta gtggcataat tataatagca ttcatccgag aggag
<210> 238
<211> 1825
<212> DNA
<213> Homo sapiens
<221> misc_feature
<223> Incvte ID No: 995529.5
<400> 238
ggageggeeg eegeggtaat aataageegg gatetaceat acceattgac taactatgga 60
agattatacc aaaatagaga aaattggaga aggtacctat ggagttgtgt ataagggtag 120
```

```
acacaaaact acaggtcaag tggtagccat gaaaaaaatc agactagaaa gtgaagagga 180 aggggttcct agtactgcaa ttcgggaaat ttctctatta aaggaacttc gtcatccaaa 240
tatagtcagt cttcaggatg tgcttatgca ggattccagg ttatatctca tctttgagtt 300
tettteeatg gatetgaaga aataettgga ttetateeet eetggteagt acatggatte 360
tteaettgtt aagagttatt tataecaaat eetacagggg attgtgtttt gteaetetag 420
aagagttett cacagagact taaaacctca aaatetettg attgatgaca aaggaacaat 480
taaactggct gattttggcc ttgccagagc ttttggaata cctatcagag tatatacaca 540
tgaggtagta acactetggt acagatetee agaagtattg etggggteag etegttacte 600
aactccagtt gacatttgga gtataggcac catatttgct gaactagcaa ctaagaaacc 660
actiticat ggggaticag aaattgatea acteticagg attiticagag ettigggcac 720
teccaataat gaagtgtgge cagaagtgga atetttacag gactataaga atacatttee 780
caaatggaaa ccaggaagcc tagcatccca tgtcaaaaac ttggatgaaa atggcttggg 840
atttgctete gaaaatgtta atetatgate cagecaaaeg aatttetgge aaaatggeae 900
tgaatcatcc atattttaat gatttggaca atcagattaa gaagatgtag ctttctgaca 960
aaaagtttcc atatgttatg toaacagata gttgtgttt tattgttaac tcttgtctat 1020
ttttgtctta tatatattt tttgttatca aacttcagct gtacttcgtc ttctaatttc 1020
aaaaatataa cttaaaaatg taaatattot atatgaattt aaatataatt ctgtaaatgt 1140
gtgtaggtct cactgtaaca actatttgtt actataataa aactataata ttgatgtcag 1200
gaatcaggaa aaaatttgag ttggettaaa teateteagt eettatggea gttttatttt 1260
cctgtagttg gaactactaa aatttaggaa aatgctaagt tcaagtttcg taatgctttg 1320
aagtattttt atgctctgaa tgtttaaatg ttctcatcag tttcttgcca tgttgttaac 1380
tatacaacct ggctaaagat gaatattttt ctactggtat tttaattttt gacctaaatg 1440
tttaagcatt cggaatgaga aaactataca gatttgagaa atgatgctaa atttatagga 1500
gttttcagta acttaaaaag ctaacatgag agcatgccaa aatttgctaa gtcttacaaa 1560
gatcaagggc tgtccgcaac agggaagaac agttttgaaa atttatgaac tatcttattt 1620
ttaggtaggt tittgaaaget tittgtetaa gigaatiett atgeetiggt cagagtaata 1680
actgaaggag gtgcttatct tggctttcga gtctgagttt aaaactacac attttgacat 1740
agtgtttatt agcagccatc taaaaaggct ctaatgtata tttaactaaa attactagct 1800
ttqqqaataa actqtttaac aaata
<210> 239
<211> 3285
<21.2> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 474435.16
<220>
<221> unsure
<222> 816-1128
<223> a, t, c, g, or other
<400> 239
tggaageggt etgeetagee etegegggg caaggeggg acegaggege gtgggtetgg 60
gaaggegege ggatttggee cetettetea cateageggg tecaggecca accgacagac 120
tatggggget ceggeaacea ggegetgegt ggagtggetg etgggeetet aetteeteag 180
cacastecce ateacetgt teatggacet goagtgggtg etgeeggeg agetetace 240
agtegagttt agaaacetge tgaagtggta tgetaaggag tteaaagac eactgetaca 300
ggagececea geetggttta agteetttet gttttgegag ettgtgttte agetgeettt 360
ettteecatt geaacgtatg cetteeteaa aggaagetge aagtggatte gaacteetge 420
aatcatctac tetotteaca ecatgacaac ettaatteeg atacteteea catttetott 480
tgaggatttc tccaaagcca gtggtttcaa gggacaaaga cctgagactt tgcatgaacg 540
gttaaccett gtgtetgtet atgeceecta ettacteate ceatteatac ttttaatttt 600
catgitigogg agoccotact acaagtatga agagaaaaga aaaaaaaat gaaggaaaca 660
accaatggcc agaggtaaga atgoctacag ggiggtigot igtiggaaca agatacaagga 720
acaatggcca gaaccaagi citcagcaga attigaaaca ciggcagcaa igcaaaaga 780
caaqatggtg tcaggaacca tgtcaaaccc tcaccnnnnn nnnnnnnnnn nnnnnnnnn 840
nonnonno ancompono ancompono ancompono ancompono ancompono ancompono 1020
ttctaagggc actgggatga acagaccgat cggcttgagg gtggggaaag gggtgtgggg 1200
taggttataa ggaagtggta ccaaataact gtgtgcctga gttccaccgc aagattacta 1260
aaagcaggac cagaccagaa actgctaaag aacatggcct gtttgacatg ttcatgagtc 1320
```

```
acctraccea cagcatatat gettatgact aaacceteca eteetgatte teaagagtgt 1380
atcacctgtc agcaaaatga atagtgggat attttgggcc attttaaatg tgaaattttg 1440
cetetttaat gitaatteaa aactatatea atgittiett giteecacet etaaceeaag 1500 gaaaaaagag aaaacataet atgeaaagga agittaaact taaggitet titaagggiea 1560
geccaacaat gacttteagt caaatggatt aaactggaaa atgtttttgt ttetgttgta 1620
aacagatcat cetaggegaa agtttttttt gtttgtttge ttttaaatta gtttatttet 1680
asatettagt ettecacatt tetagaggee acetgacaca agtecetgta tetgaagtet 1740
agcateteaa ggetgatetg gaagtgtget agtatgetee etagtggata acttaatett 1800
ttaatacagt teegteatte ecatettgtt tteagaagag aaggtggeta cageeaggea 1860
taacatatoc actgtgtgca tagagggtct cttcacgttg atgcttggca ttccatcagc 1920
titetetaag tetitgetea agticaacet taaaatgatg tiagacaaca ggteecagte 1980
agttccctct attttcaccc attttgctca caagccatat tggcccgatt agtggtactg 2040
totgactoac gtgtgtgatc caaataaagg tagctgctga coactgcctg gtttgttttg 2100
tggactaggg gatagagaat ccagggttet etcatgagga gttaaacata tttcaagage 2160
aacaggaaaa aaggtacatc aagccatttg aaaacaaaaa tttattgett etcettecaa 2220
agotttgtga atttacaaaa aaaaggatga aagtttacaa actgottagt tocaactaag 2280
cataagaggt gagaacgtac actgcagggc caccagcagc agetgtgcac tgatgttaaa 2340
actggctccc ccagacttgt agtgctgtct tcagggggct gcattcctta cacgccacct 2400
cttgtgacat aggtcattgg tcaagccgct ggaatgctac agaggttttt ttggttttga 2460 gaggcttttt tttgttttgc cttcctacta taaaagcgaa attttcagtt catttctgaa 2520
aaataaattg gtcaataaat tcattttgtt ctgcttctac tttacacaaa gcttcatatt 2580
caacceqata cottoctage tocattitet titetgetat tagggettga agtigetget 2640
gttgagette tetetgettt getatagatt tgageaagtt cegageaceg atggeettea 2700
tettteatt ttetgettet tttgeaagt gateaacaag eteaattaaa eaceaacta 2760
ttttetgaaa etggeeaatt ttgteeacaa agtetttgea etetteette agetetatgg 2820
totgotgggt aacototggg tocaacacco toagettgtt cagttoatca aagtgtagcc 2880
ctgcttcacc caggatgtcc ttggccatgg ctgtttccca tccaggttcc ctagaggagt 2940
tetgetetga aggagtgaca gtggcagtea ggaggaggtg tgtcatagga gcaagggtca 3000
ggaaagaata aagteegett gettgteaca ggeategtte atteaacaca catttettga 3060
gtgcctacta catgccaaca ctgctagatg ctgggggtac aaagatgaat gcaacacggt 3120
gcccgccctg aagagcacat agttcagctg ccggccccgc ggcggcagcg cgctgcagcc 3180
caggetgatg tagacaggea getteteetg ggteagegae ageeggtace cagecageet 3240
gccacggccg ctgccacgga tacagagcct gtttacctat gacgt
<211> 12319
<212> DNA
<213> Homo sapiens
<221> misc feature
<223> Incyte ID No: 994861.1
<220>
<221> unsure
<222> 4425-4450, 11332-11370, 12298
<223> a, t, c, g, or other
<400> 240
getgeecega geetttetgg ggaagaacte caggegtgeg gaegeaacag cegagaacat 60 taggtgttgt ggacaggage tgggaccaag atetteggee ageecegeat ceteeegeat 120
ettecageac egtecegeac ecteegeate etteceeggg ecaceaeget tectatgtga 180
cccgcctggg caacgccgaa cccagtcgcg cagcgctgca gtgaattttc cccccaaact 240
gcaataagcc gccttccaag gccaagatgt tcataaatat aaagagcatc ttatqqatgt 300
gttcaacctt aatagtaacc catgcgctac ataaagtcaa agtgggaaaa agcccaccgg 360
tgaggggete cetetetgga aaagteagee tacettgtea titticaaeg algeetaelt 420
tgccacccag ttacaacacc agtgaatttc tccgcatcaa atggtctaag attgaagtgg 480
acaaaaatgg aaaagatttg aaagagacta ctgtccttgt ggcccaaaat ggaaatatca 540
agattggtca ggactacaaa gggagagtgt ctgtgcccac acatcccgag gctgtgggcg 600
atgecteect cactgtggte aagetgetgg caagtgatge gggtetttae egetgtgaeg 660
tcatgtacgg gattgaagac acacaagaca cggtgtcact gactgtggat ggggttgtgt 720
ttcactacag ggcggcaacc agcaggtaca cactgaattt tgaggctyct cagaaggctt 780
gtttggacgt tggggcagtc atagcaactc cagagcagct ctttgctgcc tatgaagatg 840
gatttgagca gtgtgacgca ggctggctgg ctgatcagac tgtcagatat cccatccqqq 900
ctcccagagt aggctgttat ggagataaga tgggaaaggc aggagtcagg acttatggat 960
tccgttctcc ccaggaaact tacgatgtgt attgttatgt ggatcatctg gatggtgatg 1020
tgttccacct cactgtcccc agtaaattca ccttcgagga ggctgcaaaa gagtgtgaaa 1080
```

accaggatge	caggctggca	acagtggggg	aactccagge	aacataaaaa	aacggctttg	1140
accactorora	ttacgggtgg	ctatcaata	aceacat aca	ccaccetata	actotogocca	
accadagata	tggaggtggt	ateattagga	tanagangan	atateatttt	and and added	1260
gggcccagcg	tececetgat	accettyggg	ntaggaacccc	atttagaaat	aaaaaaaaaha	1220
caggerree	teteettgat	agcagacttg	atycctacty	CLLLaaaccc	aaayayycca	1320
caaccatcga	tttgagtatc	cucgcagaaa	ctgcatcacc	cagillatec	aaagaaccac	1380
aaatggtttc	tgatagaact	acaccaatca	tecetttagt	tgatgaatta	cctgtcattc	1440
	ccctcccgtg					
ctcaggctat	cacagatagt	ttagccacca	aattacccac	acctactqgc	agtaccaaga	1560
agecetogga	tatggatgac	tactcacctt	ctacttcaga	acctcttgga	aagetagaca	1620
	taaggaagaa					
atteateres	tggtgtcgtg	magaratasaa	999090999	atogottaga	constituees	1740
	gggtcctttg					
aaatayaayt	gggteetttg	gtaacatcta	Lygaaacect	aaaycacacc	Coccoaagg	1000
aatteeetgt	aactgaaaca	ccartggtaa	ctgcaagaat	gateetggaa	tecaaaactg	1860
aaaagaaaat	ggtaagcact	gtttctgaat	tggtaaccac	aggtcactat	ggattcacct	1920
tgggagaaga	ggatgatgaa	gacagaacac	ttacagttgg	atctgatgag	agcaccttga	1980
tctttgacca	aattcctgaa	gtcattacgg	tgtcaaagac	ttcagaagac	accatccaca	2040
ctcatttaga	agacttggag	tcagtctcag	catccacaac	tatttcccct	ttaattatoc	2100
	tggatcatcc					
	tcttggcaaa					
	gtttccttat					
tttatcette	tctacaaaca	gaaatgacac	atagaagaga	aagaacagaa	acactaatac	2340
	aacagatact					
ttatgggaaa	aacagaagaa	gaagtettet	ctgggatgaa	actctctaca	teteteteag	2460
agccaattca	tgttacagag	tettetgtgg	aaatgaccaa	gtcttttgat	ttcccaacat	2520
tgataacaaa	gttaagtgca	gagccaacag	aagtaagaga	tatggaggaa	gactttacag	2580
caactccaco	tactacaaaa	tatgatgaaa	atattacaac	agtgettttg	accestants	2640
ctttaagtgt	tgaagcagcc	actotatosa	aatggtcatg	ggatgaagat	aatacaacat	2700
acanacettt	agagtctaca	area ant tana	aatattaaaa	attagaagaa	gasttagtas	2760
annatataaa	agagiciaca	gaaccttcag	ccccccaaa	tttanatana	gecetacea	2820
caactgtggg	gatgaatgga	aayyataaay	acateceaag	cucacugaa	gatggageag	2020
	tcttattcca					
	ccatggaaaa					
	aactttgaga					
ctgaaggcca	agtttatgca	accatggaag	gaagtgcttt	gggtgaagta	gaagatgtgg	3060
acctctctaa	gccagtatct	actottcccc	aatttocaca	cacttcagag	otogaaggat	3120
taggatttgt	tagttatagt	accaccaac	accetactac	ttatotagac	tetteccata	3180
	ttctgtaatt					
	agttctaggt					
	tatttctcca					
aggaagaatt	cccttggaaa	gaacagactg	cagagaaacc	agtteetget	CLCAGLLCLA	3420
	tcccaaggag					
	ctctgaagat					
caactccagt	tggaaaaatt	gatcacagtg	tgtcttatcc	accaggtgct	gtaactgagc	3600
acaaagtgaa	aacagatgaa	gtggtaacac	taacaccacg	cattgggcca	aaagtatctt	3660
taagtccagg	gcctgaacaa	aaatatoaaa	cagaaggtag	tactacaaca	ggatttacat	3720
catctttgag	tccttttagt	acccacatta	cccaacttat	DOSESDESDD	actactgaga	3780
	agaggatatt					
aaataataa	attttcaaca	stancestan	anattaanna	testattaee	adagoododg	3000
gcccagtaga	cagacttcac	acaacttcag	caccoaagec	accidegeg	accactaaga	7500
	catcgacagg					
	atctcatgtt					
	tgatagagag					
gaccacccac	tgtggaagac	aaagaggcct	ttggacctca	ggcgctttct	acgccacagc	4200
ccccagcaag	cacaaaattt	caccctgaca	ttaatgttta	tattattgag	gtcagagaaa	4260
ataagagagg	tcgaatgagt	gatttgagtg	taattootca	tccaatagat	tcagaatcta	4320
aagaagatga	accttgtagt	gaagaagag	atccartoca	toatctaato	gctgaaattt	4380
	ccctgacata					
nnnnnnnnn	gtgtgcaaat	actoctacta	tarannaana	aggartatata	anataaatan	4500
	tetegttace					
	aagtgttgca					
	aatagccaaa					
	gtctcttgaa					
	tggtgageet					
	caaaaaaggg					4860
acccacatos	acatactoss	cctgtatete	tatttccta	agagtettee	granagatte	
ccattgacca	acatactgaa agaatctcag	assatarrot	ttacaaaaaa	tacacaacta	acatttacta	4980
and a contract a	aaaaagtact	tatatapant	- cycaayyyc	totograpia	acattataatt	5040
augaggtaga	the acceptance		acacteceae	catageteca	agttotgeat	E100
caucatatot	LLCadaddaa	gaagcagtta	ccctaatagg	aaatccttgg	CCAUATGACC	コエリリ

tattatetae	casadasado	tgggtagaag	caactcctag	acaadttota	mageteteam.	5160
agaagaaaa	caaagaaagc	eggg cagaag	caaccccag	acaag c cg ca	gagececoag	3200
ggagttette	gattccaatt	acagaaggct	ctggagaagc	aqaagaagat	gaagatacaa	5220
		ttatcacaga				
cgcccaccac	ggcaacegae	ccacacaga	gadacaccac	egatacacte	accucac	3200
acactagcag	gataatcaca	gaaagctttt	ttgaggttcc	tgcaaccacc	atttatccaq	5340
tttatanaa	poettetor.	aaagtggtge	etpeeppett	tataaataaa	agagagatt	E400
ceeeegaaca	accedence	adageggege	ccaccaagee	eg caag egaa	acagacaccc	3400
ctgagtggat	ttccagtacc	actgttgagg	aaaagaaaag	qaaqqaqqaq	gagggaacta	5460
angetage	tteteestt	anagtatatat	-nkatnanaa	anant agant	conttante	EEOO
		gaggtatatt				
taccetttea	attagaaagt	ccaaatgtag	ctacatetag	trattcarrt	accardaaaa	5580
caccoccega	accagaaag c	ccaaacg cag	cudcute cug	uga couaggo	acouggaaaa	
gttttatgtc	cttgacaaca	ccaacacagt	ctgaaaggga	aatgacagat	tctactcctg	5640
tatttaaaa	angan taga	ttagaaaatt	tagggggggg	gaggagtgag	anagagaga	E700
tecateaace	tagaattcaa	gaagggctga	ccactctccc	acatooteet	acctctatct	5760
		gaagetgetg				
tttcattaaa	cotagagtat	gcaattcaag	ccdasaadda	agtagetgge	actitatete	5880
ou court sauce	og augug ou a	goddceoddg	oogaaaagga	agaagaagga	accongress	5000
cgcatgtgga	aactacattc	tccactgage	caacaggact	ggttttgagt	acagtaatgg	5940
acadadtadt	tactasast	ataacccaaa	catecaggga	aatantnatt	tragagreet	6000
taggagaacc	aaattatqqq	gcagaaataa	qqqqcttttc	cacaggtttt	cctttggagg	6060
nogotttang	taatanattt	agagaatact	apparatata	tantaganta	dan nanganad	6120
aaacggtaat	datddaaddc	tetggagatg	cagcatttag	ggacacccag	acttcaccat	6180
a+====+===	t-aktasakt			at an an n a an	ananat naco	6240
ctacagtace	tacttcagtt	cacatcagtc	acatatetga	cccayaagga	cccagtagca	0240
ccatggtcag	cacttcagec	ttcccctggg	aagagtttac	atceteaget	dadddctcad	6300
gtgagcaact	ggtcacagtc	agcagctctg	ttgttccagt	getteeeagt	getgtgeaaa	6360
acttttctcc	tacacettee	tccattatcg	acceptonett	ndneenenn	aatactatca	6420
atgaaattga	tagaagatcc	accattttac	caacagcaga	agtggaaggt	acqaaagctc	6480
anat nanan	are are no art n	aaggtcagtg	ganangttta	anananattt	aggannata.	6540
caytayayaa	ggaggaagta	aaggccagcg	geacageeee	aacaaacttt	CCCCaaacta	0740
tagagggagg	caaa tta too	tetaggeaag	aagtcaaccc	totaagacaa	gaaattgaaa	6600
						0000
grgadacaac	accagaggaa	caaattcaag	aagaaaagtc	attigaatic	CCCCaaaacc	0000
ctcctccaac	adaacaaaca	atctttgatt	cacagacatt	tactgaaact	gaactcaaaa	6720
	-guaranaoa	accorgacc	- diameter	land by the second	3444	CELOO
ccacagatta	ttctgtacta	acaacaaaga	aaacttacag	tgatgataaa	gaaatgaagg	6/80
neneneenne	tratttaatt	aacatgtcta	ctccaratcc	tecenntene	gggttggat	684D
aggaagacac	cccccagec	aacacgccca	cccagaccc	agacgcaaac	ggcccggaac	0040
cttacacaac	tetecetgaa	gctactgaaa	agtcacattt	tttcttagct	actgcattag	6900
taactcaatc	tataggaggt	gaacatgtag	tagaggatta	accestcasa	cconcennee	6960
cuacigaacc	Lacaccage	gaacacgcag	ccacagarec	accaaccaaa	aaggaagaaa	0500
gtacaaaaca	ttttcccaaaa	ggcatgagac	caacaattca	adadtcadat	actgagetet	7020
		ggagaagaag				
tattetetgg	accygyacca	ggagaagaag	ttttacctac	LULAUCAACA	gagtcagtga	7000
attttactca	agtggaagaa	atcaataaca	cattatatcc	ccacacttct	caagtggaaa	7140
	*******					7200
graceccaag	igacaaaaii	gaagacttta	acayaatyga	aaatgtggca	aaagaagtty	1200
gaccactcgt	ateteaaaca	gacatetttg	aaggtagtgg	atcagtaacc	accacaacat	7260
Sacracooge	to the second second	gacascos	adaland oba	goodgoddio	to a section to	2200
taatagaaat	tttaagtgac	actggagcag	aaggacccac	ggtggcacct	etceetttet	1320
tenennoen	compostant	caaaatcaga	atatasaata	adceneeres	atcoacacta	7380
ccacggacac	cygacacccc	cadaaccaga	cegeeaggeg	ggcagaagaa	accoagacca	7300
gtagaccaca	aaccataact	gaacaagact	ctaacaagaa	ttcttcaaca	gcagaaatta	7440
20022220220	aacatcatct	actgattttc	tagatagaa	++atamt+++	geestagage	7500
aagaatttgt	tacatcacca	ccaaaaccat	ctgacttgta	ttatqaacct	tetagagaag	7560
astataasas	agtggatatt	gttgattcat	ttaaaaatta	togganatagt	anaganaga	7620
gatetygaga	ayiyyatatt	gilgalical	ttcacacttc	Lycaactact	caggcaacca	7020
gacaagaaag	caccaccaca	tttgtttctg	atgggtecet	gggaaaacat	cctgaggtgc	7680
			h		-4	7740
caagegetaa	agetgttaet	gctgatggat	teecaacagt	ttcagtgatg	etgeetette	//40
atteadadea	Caacaaaaac	teceetgate	caactaggag	actotcaaat	acagtgtcat	7800
	gamage					7000
augayagytc	cacagacggt	agtttccaag	accgtttcag	yyaattegag	yattccacct	1800
taaaacctaa	cagaaaaaaa	cccactgaaa	atattatcat	agacetggae	aaagaggaga	7920
						7000
aygatttaat	artgacaatt	acagagagta	ccatccttga	aattctacct	yaguugadat	1200
cogataaaaa	tactatcata	gatattgatc	atactaaacc	tototatoaa	gacattettg	8040
yaatgcaaac	ayatatagat	acagaggtac	catcagaacc	acatgacagt	aatyatyaaa	OTOU
gtaatgatga	cadcacteaa	gttcaagaga	tetatgagge	adctdtcaac	ctttctttaa	8160
ctgaggaaac	atttgaggge	tetgetgatg	ttetggetag	ctacactcag	gcaacacatg	8220
atgaatgaat	dacttatdaa	gatagaagee	aactagatca	catggggttt	cacttcacaa	8280
	b	5 cagaagee	- Library Col			0240
ctggyatece	tgctcctage	acagaaacag	aattagacgt	tttacttccc	acggcaacat	8340
		tetgecacag				
coolyccaat	coccogcaag	cocycoadag	coaccedga	gurugaayya	aaaaayu Ly	2400
aagcaaaagc	cctggatgac	atgtttgaat	caagcacttt	gtctgatggt	caagetattg	8460
		ccaacattgg				
aagacaaaaa	acatoctoot	ccttcttttc	agccagaatt	ctcttcagga	actaaaaaaa	8580
		tatctaagta				
taacagagget	gcctgatgtg	atggaaggat	ccaatccccc	atattacact	gatacaacat	8700
gagge	goodgagag	auggaaggat		a carriacucu		0760
Lageagttte	aacatttgcg	aagttgtctt	ctcagacacc	atcatctccc	cicactatet	8/60
acteadgeag	traagreetet	ggacacacag	agatocccca	accepatact	ctoccaooaa	8820
			agactecta	5 -ccag aget	gocaggaa	0000
tagacgtcgg	ctcatctgta	atgtccccac	aggattettt	taaggaaatt	catgtaaata	8880
ttgaagggg	tttcasacca	tcaagtgagg	aatanottos	cataacters	cetecetett	8940
tateteetga	cacaaaatta	gaaccttcad				
tateteetga	cacaaaatta	gaacetteag	adjatgatgg	gaaattgag	totoosagaag	9060
tateteetga aaatgggaag	cttctcccac	agaacttatt	gctgtggaag	gaactgagat	tetecaagat	9060
tateteetga aaatgggaag	cttctcccac	agaacttatt	gctgtggaag	gaactgagat	tetecaagat	9060
tateteetga aaatgggaag	cttctcccac	agaacttatt tcaagtttct	gctgtggaag	gaactgagat	tetecaagat	9060

```
aaaacacctg atgctggaac tgttattaca actgccgatg aaattgaatt agaaggtgct 9180
acacagtggc cacactctac ttctgcttct gccacctatg gggtcgaggc aggtgtggtg 9240
cettagetaa gteeacagae ttetgagagg eccaegettt ettettetee agaaataaac 9300
cetgaaacte aageagettt aateagaggg caggatteca egatageage ateagaacag 9360
caagtggcag cgagaattet tgattecaat gatcaggcaa cagtaaacce tgtggaattt 9420
aatactgagg ttgcaacace accattttee ettetggaga ettetaatga aacagattte 9480
ctgattggca ttaatgaaga gtcagtggaa ggcacggcaa tctatttacc aggacctgat 9540
cgctgcaaaa tgaacccgtg ccttaacgga ggcacctgtt atcctactga aacttcctac 9600
gtatgcacct gtgtgccagg atacagegga gaccagtgtg aacttgattt tgatgaatgt 9660
cactctaatc cetgtegtaa tggagecact tgtgttgatg gttttaacac attcaggtge 9720
ctctgccttc caagttatgt tggtqcactt tgtgagcaaq ataccgagac atgtgactat 9780
ggctggcaca aattccaagg gcagtgctac aaatactttg cccatcgacg cacatgggat 9840
gcagctgaac gggaatgeeg tetgcagggt gcccatetca caagcatect gtetcacgaa 9900
gaacaaatgt tigitaatog tytggyccat gattatoagt ggataggoot oaatgacaag 9960 atgittbgago atgacttocg tytggactgat ggcagcacac tycaatacga gaattggaga 10020 cccaaccago cagacagott ottittotgot ggagaagact gtyttgtaat catttggaat 10080 gagaatggoc agtggaatga tyttocotg caattaccat otcacotata cgtgcaagaa 10140
aggaacagtt gcttgcggcc agccccctgt tgtagaaaat gccaagacct ttggaaagat 10200
gaaacctcgt tatgaaatca actccctgat tagataccac tgcaaagatg gtttcattca 10260
acgtcaccit ccaactatcc ggtgcttagg aaatggaaga tgggctatac ctaaaattac 10320
ctgcatgaac ccatctgcat accaaaggac ttattctatg aaatacttta aaaattcctc 10380
atcagcaaag gacaattcaa taaatacate caaacatgat catcgttgga gccggaggtg 10440
gcaggagtcg aggcgctgat ccctaaaatg gcgaacatgt gttttcatca tttcagccaa 10500
graphatik agyltytek tittetaatan yhteistä aattaleagi tyyttiata tuttaatat taatataata agreetaata agreetaata teetytyeet titeetaata etoagagaagi aattaleagi tyyttiegat 10560 tittygaca eogiteetaataataaaga 10560 tittygaca too oli taatagaaga geagacaasa tyaagagaasa taatagaaga aattaagaat 10680 titeeageeta tetaatitet tiagittiet aittyeete agtyeagitee aitteetaat 10740 gitataecage etaatytaet attiaasaatyi etoaatitea geacegatye cetatytaat 10800
aagatgattt aatgttgatt ttaatcctgt atataaaata aaaagtcaca atgagtttgg 10860
gcatatttaa tgatgattat ggagcettag aggtetttaa teattggtte ggctgetttt 10920
atgtagttta ggetggaaat ggttteaett getetttgae tgteageaag aetgaagatg 10980
getttteett gaeagetaga aaacacaaaa tettgtaggt eattgeaect atcteageca 10980
taggtgcagt ttgcttctac atgatgctaa aggctgcgaa tgggatcctg atggaactaa 11100
ggactccaat gtcgaactct tctttgctgc attcctttt cttcacttac aagaaggcc 11160
tgaatggagg actittctgt aaccaggaac attitttagg ggtcaaagtg ctaataatta 11220
acticaaccag gtotactitt taatgggttt oataacacta acticataagg ttaacgata 11280
atgcatttea tacggatata gacctagggs totggagggt gggggattg tunnninnin 11340
nnnnnnnnn nnnnnnnn nnnnnnnnn tittgtatat ataaccatt taatcittta 1140
taaagttttg aatgttcatg tatgaatget geagetgtga ageatacata aataaatgaa 11460
gtaagccata ctgatttaat ttattggatg ttattttcc taagacctga aaatgaacat 11520
agtatgctag ttattttca gtgttagcct tttactttcc tcacacaatt tggaatcata 11580
taatataggt actttgtccc tgattaaata atgtgacgga tagaatgcat caagtgttta 11640
ttatgaaaag agtggaaaag tatatagett ttagcaaaag gtgtttgece attetaagaa 11700
atgagegaat atatagaaat agtgtgggea tttetteetg ttaggtggag tgtatgtgtt 11760
agaattote cocatetett eccaetetgt thetecoca thattigaat aaagigactg 11820 etgaagatga ethigaate thatecaett aathtaatgt thaagaaaa accgtaatg 11880 gaaagtaga etcettecet aathtaatgt thagagaaat tgaagaaaaa 11940 ataaaatga eccatecet a
tttttataaa acctcctttg gcttagaagg aatgactcta gctagaataa tagacagtat 12060
gtttaagcag gttcccttgg ttgttgcatt aaatgtaatc cacctttagg tattttagag 12120
cacagaacaa cactgtgttg atctagtagg tttctatttt tcctttctct ttacaatgca 12180
cataatactt teetgtättt atateataae gtgtatagtg taaaatgtga atgaettttt 12240
ttgtgaatga aaatetaaaa tetttgtaae ttittatate tgettttgtt teaecaanga 12300
aacctaaaat cettettt
<210> 241
<211> 833
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: g545708
<400> 241
asaccaqcet catgtgacaa agegcaggac cectcactgc cecaactget tgctgttete 60
tetttettgg getetaagga ceeaggagte tgggtgeaca geeteettet etetgagatt 120
```

```
caagagtetq atcaqcagcc tettecteet ceaggaccca qaagccetqa gettateecc 180
atggagetet geoggteect ggeeetgetg gggggeteec tgggeetgat gttetgeetg 240
attgetttga geacegattt etggtttgag getgtgggte eeacecacte ageteacteg 300
ggcctctggc caacagggca tggggacate atatcaggct acatccacgt gacgcagacc 360
ttcagcatta tggctgttet gtgggccetg gtgtccgtga gettectggt cetgtcetge 420
ttceccteae tgttccccce aggccacgge cegettgtet caaccacege agcetttget 480
gcagccatct ccatggtggt ggccatggcg gtgtacacca gcgagcggtg ggaccagcct 540
ccacaccece agatecagae ettettetee tggteettet acetgggetg ggteteaget 600
atcetettge tetgtacagg tgeeetgage etgggtgete actgtggggg teceegteet 660
ggctatgaaa cettgtgage agaaggeaag ageggeaaga tgagttttga gegttgtatt 720
ceaaaggeet catetggage etegggaaag tetggteeta catetgeeeg ceetteeage 780
cettececag eccetectet tgtttettea tteatteaac aaaatttgge tgg
<210> 242
<211> 4411
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incvte ID No: 347965.2
<220>
<221> unsure
<222> 3369
<223> a, t, c, q, or other
<400> 242
acggagacgg accacagcaa gcagaggctg ggggggggaa agacgaggaa agaggaggaa 60
aacaaaaget getaettatg gaagatacaa aggagtetaa egtgaagaca tittgeteca 120
agaatateet agecateett ggetteteet etateatage tgtgataget ttgettgetg 180
tggggttgac ccagaacaaa gcattgccag aaaacgttaa gtatgggatt gtgctggatg 240
cgggttcttc tcacacaagt ttatacatct ataagtggcc agcagaaaag gagaatgaca 300
caggogtggt gcatcaagta qaaqaatgca gggttaaagg tootggaato toaaaatttq 360
ttcagaaagt aaatgaaata ggcatttacc tgactgattg catggaaaga gctagggaag 420
tgattccaag gtcccagcac caagagacac cegtttacct gggagccacg gcaggcatge 480 ggtccaagscatgugaags 240-gctcagcaa ctacccctt gacttccagg gtgccaggat cattactggc caagaaggaag 50-
gtgcctatgg ctggattact atcaactatc tgctgggcaa attcagtcag aaaacaaggt 660
ggttcagcat agtcccatat gaaaccaata atcaggaaac ctttggagct ttggaccttg 720
ggggagctc tacacaagtc acttttgtac cccaaaacca gactatcgag tccccagata 780
atgctctgca atttcgcctc tatggcaagg catcacatgt ctacacacat agctcttgt 340
gctatgggaa ggatcaggca ctctggcaga aactggccaa ggacattcag gttgcaagta 900
atgaaattet cagggaccca tgettteate etggatataa gaaggtagtg aacgtaagtg 960
acctttacaa gacccctgc accaagagat ttgagatgac tcttccattc cagcagtttg 1020
aaatccaggg tattggaaac tatcaacaat gccatcaaag catcctggag ctcttcaaca 1080
ccagttactg cccttactcc cagtgtgcct tcaatgggat tttettgcca ccactccagg 1140
gggattttgg ggcattttca gctttttact ttgtgatgaa gtttttaaac ttgacatcag 1200
agaaagtctc tcaggaaaag gtgactgaga tgatgaaaaa gttctgtgct cagccttggg 1260
aggagataaa aacatettae getggagtaa aggagaagta cetgagtgaa taetgetttt 1320
aggapatana adatuttar yengagapata aggapata etigagapat
etigataceta cattetetee eteettetge aaggetatea titeacaget gatteetggg 1380
agcacateca titeatigge aagatecagg geageageg eggetggaet titggetaca 1440
tgetgaacet gaccaacata ateccagetg agcaaccat gicocaccet eteteccacci 1500
ecacetatgt ettecteatg gitetatiet ecetggieet titeacagig gecateatag 1500
gettgettät ettteacaag cetteatatt tetggaaaga tatggtatag caaaageage 1620
gertylttat Ctrackany Ctroatatt Letygaanya Lacygiatay damagosya 1620
tyaantatyc tyyctogayf gaggananaa ateytecayg gagcattt to decadegca 1630
glyttenagg ccatectice ctyptotyca gagcagtet tyaacyatyf yaagettee 1740
tygettita ty
gcagatactg tototttcat gagtttttcc cagctacacc tttctccttt gtactttgtg 1860
cttotatagg ttttaaagac ctgacacctt tcataatctt tgctttataa aagaacaata 1920
ttgactttgt ctagaagaac tgagagtett gagteetgtg ataggagget gagetggetg 1980
tugactutu etagaagaat tagagutti gagteetgig atagaageet jageteeget 1980
aaagaagaat cteaggaact ggtteagttg tactetttaa gaaceetti otetetet 2000
titgeeatee attaagaaag ceatatgatg cettiggaga aggeagaaca acatteeatt 2100
eccageetge telgigggta gagaasttit ctacagtagg caaalatgig chaaceesa 2180
agagttttat aaggaaatat atgtgeteat geagteaata eagtteteaa teecacecaa 2220
ageaggtatg teaataaatc acatatteet aggtgatacc caaatgetac agagtggaac 2280
actcagacct gagatttgca aaaagcagat gtaaatatat gcattcaaac atcagggett 2340
```

```
actatgaggt aggtggtata tacatgtcac aaataaaaat acagttacaa ctcagggtca 2400
caaaaaatgc atcttccaat gcatattttt attatggtaa aatatacata aatataattc 2460
accattttaa catttaatte atattaaata egtacaaate agtgacattt agtacattea 2520
cagtgttgtg ccaccatcac cactatttag ttccagaaca tttgcatcat caatacattg 2580 tctagagaca agactatcct gggtaggcag aaaccataga tcttttgtgt ttacagctat 2640
tttccaaggt ttaatttagt gagagggcag cattagtgtg gagtggcatg cttttgccct 2760
atoriogaat ttacacatca gaatgigcag gatecaagte igaaagigti gecacecgie 2820
accanacty gottigth getatics transpared goaleyst goodacty 2820 accanacty gottigth getatics transpared gottigth gottigthes a goaleyst gottigth gottigthes as actification graphty and control activities gottigthes gottigthes
ggactgactg ttgagctgat ggggaaagaa aagctetcac acaaaccgga agccaaatgt 3060
ccctatete ttgaatgate aagteacttt tgacaacate caggtgaata taaaaactta 3120
altaangotty ggaaaggaa tottaatett otttetget acttagtta aatteaacta 3180
alcettgatta ggaatcamaa teogaattgg gacatgtea aatteettet tytggtagtt 3240
geotatacig teategetge tyttggttyda geattytgg tytaccacge tytgtgetca 3300
agggtattac atteatette teattaate etcacaacaa tetgaagaag gtaggtatta 3320
caattecene ttoatagaaa cagaaactga ggtteagag ggttaagoat tyteccaaat 3420
ggctgagcca aagcctacca tgtacctaac ctttattttc tttcccgaac ataccaggct 3480
gyctyggoda agottadox glacotado etratito e Iroltogado ataconyge 3200
gytotocoda aottocado catgoacta anactocaca tymatacaag gitoatgyga 3500
citygitatto atacangyga agokaganag ciggicigit cotyatagyc tiglaatita 3600
atatoattot gitoatgyg titygatgyga agoacatoty goatatyaty cinactacagig 3600
gttcccatac ccctggcttc ctaattttaa tgtttgctca cagcatagta gattgacatc 3720
aaatagtggc cgatgatgat gaaaataaag gtcaaataag ttgagccaat aacagccgct 3780
tttttccttc tgtctgcgta tacaaagcac tgtcatgcac acaatctatt ctgaccctca 3840
caacaaccca taagggtgta aatagtattt ccattttaca aatgaggatc acacaacta 3900
ctacatggca gagcagatac tccaactcat gtcttctggt tgaagcctat tgctttttct 3960
tttetaaaca ettteeetea geaagttgga attagaette acaagtetee tteagagaac 4020
acaaatottt tottattoca ttootgtttg gttgcctacg tocaatotcc coctocccag 4080
agatgocaaa aaaaaaatoo tttaaggtat ttgggagoca aactcaactt gttaaaatot 4140
caaattatgg agacaatcag cagacacaac ctaaccccaa ttattttggc aggaaggttg 4200
gtttagaggc agatccagca atctgctttg ggccactctg ggtggggtag gtgaaataag 4260
attggtcact gttaactaat tttaatattg gattggccat tggttatcac tgattaccat 4320
teteceetgg attiteacce aggacteaaa acttggttet getaaccetg tteetttatg 4380
aggaaccttt taaagattcc tttataaggt g
<210> 243
<211> 2001
<212> DNA
<213> Homo sapiens
<221> misc_feature
<223> Incvte ID No: 202361.1
<400> 243
gtctcagggā agtagcaggc gccggttgag agaactacgg ccctgtcgga aggtaacctc 60
cggtgcaaac gaccatcggc ggcaggcgag cggtacgctt ggcgtccggg ccttcctggg 120
cecytetgag gaaacttget getegaggee aggetgeeta ggacetgtee ettttttet 180
atactggctc ccacatcogg gttttttctc cgggacggcc cttcggatgc ttgggccaat 240
gggaatoge atttagggtg étcegceae egggtegggt agageateet ggaaategta 300
gtaaatect eggagstete tecgcaege ggggetggga aagegggte taegeaege 350
ttgttgtege getttgeete egteetteee octaeteeg ettaeetga etteettte 420
ggaggaagat ccttgagcag ccgacgttgg gacaaaggat ttggagaaac ccagggctaa 480
agtcacgttt ttcctccttt aagacttacc tcaacacttc actccatggc agttcccgag 540
accegeceta accaeactat tratateane aaceteaatg agaagateaa gaaggatgag 600
ctagaaaagt ccctgtacgc catcttctcc cagtttggcc agatcctgga tatcctggta 660
teacggagee tgaagatgag gggeeaggee tttgteatet teaaggaggt eageaggee 720
accaaegee tggegeteea tgeagggtt ecetttetat gacaaaceta tgegtateea 780
gtatgccaag accgactcag atatcattgc caagatgaaa ggcaccttcg tggagcggga 840
ccqcaaqcqq qaqaaqaqqa aqcccaaqaq ccaqqaqacc ccqqccacca aqaaqqctqt 900
gcaaggcggg ggagccaccc ccgtggtggg ggctgtccag gggcctgtcc cgggcatgcc 960
geograficat caggogococ gentratica concatigos gigonagos ectacatigos 1020 geococtiggi algaleccoc egocaggost tigonoctigos cagaleccas caggigosal 1080
geoceegeag cagettatge caggacagat geoceetgee cagectettt etgagaatee 1140
accquateac atettettee teaccaacet gecagaggag accaacgage teatgetete 1200
catgetttte aatcagttee etggetteaa ggaggteegt etggtaceeg ggeggeatga 1260
```

```
categoette gtggagtttg acaatgaggt acaggcaggg gcagetegeg atgccetgca 1320
gggetttaag atcacgcaga acaacgccat gaagatetee tttgccaaga agtagcacet 1380
titeccecca tycotycocc ticccotytt ctygggccac ccetticcc cttygctcag 1440
ccccctgaag gtaagtcccc ccttgggggc cttcttggag ccgtgtgtga gtgagtggtc 1500
gccacacage attgtaccca gagtetgtee ccagacattg cacetggege tgttaggegg 1560
gaattaaagt ggetttttga ggtttggttt ttcacaatca tttgtetgte tgattttett 1620
getetteatg gtteetttee etecacetea geageacate etgggttttt ggaectettg 1680
gcattttgag gtttgcaacc ttggggaaac ataggatagt gtagtaatat tgttcaaact 1740
caggitacaa tgactactit ggcagtittg tatgitgtcc caattcacag caggaaatgg 1800
aatootgggt caggaaatgg aaagtcaggg otgoogcgta cagttaggca ggatgggtac 1860
tqcacaagaa tqgcaccttt taagqqcaca ccattcactt tqtaqqctta caaqtttatq 1920
ccaccacttt totaacagat gacaagagtg tocagggaga ggtgtotott caccetttt 1980
ttactcttct caaaagtgca g
<210> 244
<211> 1366
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 369950.12
ctttgtcctc cagtggctgg taggcagtgg ctgggaggca gcggcccaat tagtgtcgtg 60
cggcccgtgg cgaggcgagg tccggggagc gagcgagcaa gcaaggcggg aggggtggcc 120
ggagetgegg eggetggeae aggaggaga gecegggegg gegaggggeg geeggagage 180
gecagggeet gagetgeegg ageggegeet gtgagtgagt geagaaagea ggegeeegeg 240
cgctagccgt ggcaggagca gcccgcacgc cgcgctctct ccctgggcqa cctqcaqttt 300
tggcggcgga cgaggacgac gacagagatg tggctctgca gatccacttc accctgatcc 540
aggedttttg ctgcgagaac gacatcaaca tectgegegt cagcaacccg ggccggetgg 600
eggageteet getettggag accgaegetg geecegegge gagegaggge geegageage 660
cocceggacet geactgegtig etggtgacga atceacatte atcteaatgg aaggatectg 720
cottaagtea acttatttgt ttttgccggg aaagtcgcta catggateaa tgggttccag 780
tgattaatct ccctgaacgg tgatggcatc tgaatgaaaa taactgaacc aaattgcact 840
gaagttittg aaatacetti giagttacte aagcagttac teectacact gatgcaagga 900
ttacagaaac tgatgccaag gggctgagtg agttcaacta catgttctgg gggcccggag 960
atagatgact ttgcagatgg aaagagtga aaatgaagaa ggaagctgtg ttgaaacaga 1020 aaaataagtc aaaaggaaca aaaattacaa agaaccatgc aggaaggaaa actatgtatt 1080
aatttagaat ggttgagtta cattaaaata aaccaaatat gttaaagttt aagtgtgcag 1140
ccatagittg ggtaittitg gtttatatgc cctcaagtaa aagaaaagcc gaaagggtta 1200 atcatattig aaaaccatat titatigtat titgatgaga tattaaattc tcaaagtitt 1260
attataaatt ctactaagtt attttatgac atgaaaagtt atttatgcta taaattttt 1320
gaaacacaat acctacaata aactggtatg aataattgca tcattt
<210> 245
<211> 2541
<212> DNA
<213> Homo sapiens
<221> misc_feature
<223> Incvte ID No: 331403.8
<400> 245
tgtttttccc gcgaaactcg gcqqctqagc qtggaggttc ttgtctcccc tggtttgtga 60
agtgoggaaa accagaggog cagtcatgtc gggattcgac gatcctggca tittctacag 120
coacauctte oggogogaeg eccaggegga egaggggag geeggaaat eggagetgea 180
gaggegette aaggagttee tgeggeagta eegagtggge aeegaeegea egggetteae 240
cttcaaatac agggatgaac tcaagcggca ttacaacctg ggggagtact ggattgaggt 300
ggagatggag gatetggeea getttgatga ggacetggee gactacttgt acaagcagec 360
ageogageae etgeagetge tggaggaage tgccaaggag gtagetgatg aggtgacecg 420
gccccgcct tetggggagg aggtgeteea ggacateeag gteatgetea agteggaege 480
cagecettee ageattegta geetqaagte ggacatgatg teacacetgg tgaagateec 540
```

```
tggcatcate ategeggeet etgeggteeg tgccaaggee accegcatet etatecagtg 600
ccgcagctgc cgcaacaccc tcaccaacat tqccatqcgc cctqgcctcg agggctatgc 660
cctgcccagg aagtgcaaca cagatcaggc tgggcgccc aaatgcccat tggacccgta 720
cttcatcatg cccgacaaat gcaaatgcgt ggacttccag accctgaagc tgcaggagct 780
gectjatjea głoceczacy goganategyt gyartecsa dectjasje igcagyajte 780
gectjatjea artececzacy goganateg cagacacay cagetetate tegeacagita 840
ectytytąca asgytette etyganacay gyttaccate atgygeatet actecatea 900
gaagttiga etyactaca geagygyccy tyacagygty gegtyggea tegaaget 950
ctacatecgt gtoctgggca tecaggtgga cacagatgge tetggcegca getttgetgg 1020
ogcortgage ecceaggagg aggaggagtt cogtogectg getgeectee caaatgteta 1080
tgaggtcate tecaagagca tegececete catetttggg ggcacagaca tgaagaagge 1140
cattgectge etgetetttg ggggeteceg aaagaggete cetgatggae ttactegeeg 1200
aggagacate aacetgetga tgetagggga ceetgggaca gecaagteec agettetgaa 1260
gtttgtggag aagtgttete ecattggggt atacacgtet gggaaaggca gcagegcage 1320
togactgaca geeteggtga tgagggacee ttegteeegg aattteatea tggagggegg 1380
agccatggtc ctggccgatg gtggggtcgt ctgtattgac gagtttgaca agatgcgaga 1440
agutatggit diyagcaga guyggitggi orgaatigaa gagtitgada ajauyugaag
agatgacet giggcaate acqaagcaat gyagcagcag accateteta tegecaage 1500
tigggateace accacciga actocogetg etcogtectg gytyetgeca actoagtitt 1560
eggecgetgg gatgagaaga agggggaaga caacattyaa ticatigcec acatetitt 1620
gegettegae atgatettea tegteaagga tgageacaat gaggagaggg atgtgatget 1680
ggccaagcat gtcatcactc tgcacgtgag cgcactgaca cagacacagg ctgtggaggg 1740
egagattgac etggccaage tgaagaagtt tattgcctac tgccgagtga agtgtggccc 1800
coggetytea geagaggety cagagaaact gaagaacege tacateatea tgeggagegy 1860
ggeeegteag caegagaggg acagtgaceg cegetecage atececatea etgtgeggea 1920
gctggaggee attgtgegea tegeggaage ceteageaag atgaagetge ageecttege 1980
cacagaggea gatgtggagg aggeeetgeg getetteeaa gtgteeaegt tggatgetge 2040
ottycoggt acetytcag gggtggaggg ettcaccage caggaggac aggagatget 2100 gagecgcate gagaaggage toaaggege etttgcatt ggetecagg tgtctgagca 2160 caggatcate aaggacttca ccaaggaga atacceggag cacgccatec acaaggtget 2100 cagcatcate a
gcageteatg etgeggegeg gcgagateca gcategcatg cagegcaagg ttetetaceg 2280 ceteaagtga gtegegeege eteaetggae teatggaete geceaegeet egeceeteet 2340
geogetgeet gecattgaca atgttgetgg gacetetgee tecceaetge agecetegaa 2400
etteccagge accetecttt etgecccaga ggaaggaget gtagtgteet getgeetetg 2460 ggegecegee tetagegegg ttetgggaag tgtgettttg geateegtta ataataaage 2520
caccototot tcacotaaaa a
<210> 246
<211> 997
<212> DNA
<213> Homo sapiens
-22 N>
<221> misc feature
<223> Incyte ID No: 233889.3
<400> 246
ggacggtggt gacggtgggg acatcaggct gccccgcagt accagggagc gactgaagtg 60 cccatgccgc ttgctccgga gaagaaaatt tgaagttact tctgtggcta actttatagt 120\,
totattggac atcaccgacc getetagget atggaaaatt etgtagaaca aacaactgga 180
agttggaaga aaagacagta agaaatagca aggaagggtg tgctgttggg agttgcttgg 240
aggttggggg cgcggggtg aaggctagca aaccgagcga tcatgtcgca caaacaaatt 300
tactattegg acaaataega egaegaggag tittgagtate gacatgteat getgeecaag 360
gacatageca agetggteec taaaacccat etgatgtetg aatetgaatg gaggaatett 420
ggcgttcagc agagtcaggg atgggtccat tatatgatcc atgaaccaga acctcacate 480
ttgctgttcc ggcgcccact acccaagaaa ccaaagaaat gaagctggca agctactttt 540
cagecteaag etttacacag etgteettac ttectaacat etttetgata acattattat 600
gttgccttct tgtttctcac tttgatattt aaaagatgtt caatacactg tttgaatgtg 660
gttgetett gittettat tigatagage caccaccac atagoccage cagatagaty 720
etctytgact ettecttet tgagtagage caccaccac atagoccage cagatagaty 720
etctytggae cacagocta agctgagtgt gaeccagaa gecacgatgt getetytate 780
cagaacacae ttgge
gatttatgtt teagtgtact ggaaacttte cattttatte aagaaatetg tteatgttaa 960
aagccttgat taaagaggaa gtttttataa tctaaaa
<210> 247
<211> 1655
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> Incyte ID No: 021148.4
<220>
<221> unsure
<222> 1630
<223> a, t, c, g, or other
<400> 247
geoggggget ggaggacagg tttgtgeget ggacgcaage accaggegca geotegette 60
gccgagaccc ggccagaacg tgttacgagt cagtttttag tgaaaaaaca ttgagctagg 120
aggegagage catetettea ctattttogt attotgeaag teatettace tetetggate 180
tcaqttqtct catccqtaaa aaqqaqataa aaattattta cctqcctqaa catqaqqtqq 240
aggaccatee tgetacagta ttgetttete ttgattacat gtttacttac tgetettgaa 300
getgtgceta ttgacataga caagacaaaa gtacaaaata ttcaccetgt ggaaagtgcg 360 aagatagaac caccagatac tggactttat tatgatgaat atetcaagca agtgattgat 420
gtgctggaaa cagataaaca cttcagagaa aagctccaga aagcagacat agaggaaata 480
aagagtggga ggctaagcaa agaactggat ttagtaagtc accatgtgag gacaaaactt 540
gatgaactga aaaggcaaga agtaggaagg ttaagaatgt taattaaagc taagttggat 600
teeetteaag atataggeat ggaccaccaa geteftetaa aacaattiga teacetaaac 660
cacetgaate etgacaagit tgaatecaca gattiagata tgetaateaa agoggeaaca 720
agtgatetgg aacactatga caagactegt catgagaat ttaaaaaata tgaaatgatg 780
aaggaacatg aaaggagaga atatttaaaa acattgaatg aagaaaagag aaaagaagaa 840
gagtetaaat ttgaagaaat gaagaaaaag catgaaaate accetaaagt taatcaccca 900
caatttttta aaattggttc acagggaagc aaagatcaac taaaagaggt atgggaagag 960
actgatggat tggatcctaa tgactttgac cccaagacat ttttcaaatt acatgatgtc 1020
aatagtgatg gatteetgga tgaacaagaa ttagaagcee tatttactaa agagttggag 1080
aaagtatatg accetaaaaa tgaagaggat gatatggtag aaatggaaga agaaaggett 1140
agaatgaggg aacatgtaat gaatgaggtt gatactaaca aagacagatt ggtgactctg 1200
gaggagtttt tgaaagccac agaaaaaaaa gaattettgg agccagatag ctgggagaca 1260
ttagatcagc aacagttctt cacagaggaa gaactaaaag aatatgaaaa tattattgct 1320
ttacaagaaa atgaacttaa gaagaaggca gatgagcttc agaaacaaaa agaagagcta 1380
caacgtcagc atgatcaact ggaggetcag aagetggaat atcatcaggt catacagcag 1440
atggaacaaa aaaaattaca acaaggaatt cctccatcag ggccagctgg agaattgaag 1500
tttgagccac acatttaaag tctgaagtcc accagaactt ggaagaaagc tgttaactca 1560 acatctattt catctttta gctcccttcc tttttctctg ctcaataaat attttaaaag 1620
catatttoon ataaagggag atacttttt aaatg
<210> 248
<211> 3230
<212> DNA
<213> Homo sapiens
<221> misc_feature
<223> Incyte ID No: 976749.1
<400> 248
tagogotgag tggtttttog gatcatgtot ggtggotcog oggattataa cagcagagaa 60
catggcggcc cagagggaat ggaccccgat ggtgtcatcg agagcaactg gaatgagatt 120
gttgataact ttgatgatat gaatttaaag gagtetetee ttegtggeat etatgettae 180
ggttttgaga agcetteege tatteageag agagetatta tteeetgtat taaagggtat 240
gatgtgattg ctcaagetca gtcaggtact gggcaagaca gccacatttg ctatttccat 300
gargitatig tittaggest gestagat gagetaagat gaccaagca ctagtattgg ccccaaccag 350
agaactggct caacagatcc aaaaggtaat totggcactt ggagactata tgggagccac 420
ttgtcatgcc tgcattggtg gaacaatgt tcgaaatgaa atgcaaaaac tgcaggctga 480
agoaccacat attgttgttg gtacacccgg gagagtgttt gatatgttaa acagaagata 540
cettteteca aaatggatca aaatgtttgt tttggatgaa geagatgaaa tgttgageeg 600
tggttttaaq gatcaaatct atgaqatttt ccaaaaacta aacacaagta ttcaggttgt 660
gttgctttct gccacaatgc caactgatgt gttggaagtg accaaaaaat tcatgagaga 720
tecaattega attetggtga aaaaggaaga attgaccett gaaggaatca aacagtttta 780
tattaatgtt gagagagagg aatggaagtt ggatacactt tgtgacttgt acgagacact 840
gaccattaca caggetgtta ttttteteaa tacgaggege aaggtggaet ggetgaetga 900
gaagatgcat gccagagact tcacagtttc tgctctgcat ggtgacatgg accagaagga 960
gagagatgtt atcatgaggg aattccggtc agggtcaagt cgtgttctga tcactactga 1020
cttgttgget cqcgggattg atgtgcaaca agtgtetttg gttataaatt atgatetace 1080
```

```
taccaatcgt gaaaactata ttcacagaat tggcagaggg ggtcgatttg ggaggaaagg 1140 tgtgggctata aactttgtta ctgaagaaga caagaggatt cttcgtgaca ttgagacttt 1200
ctacaatact acagtggagg agatgcccat gaatgtggct gaccttattt aattcctggg 1260
atgagagttt tggatgcagt getegetgtt getgaatagg egateacaac gtgcattgtg 1320
cttetttett tgggaatatt tgaatettgt etcaatgete ataaeggate agaaatacag 1380
attitgatag caaagegacg ttagtegtga getettgtga ggaaagteat tggetttate 1440
ctctttagag ttagactgtt ggggtgggta taaaagatgg ggtctgtaaa atctttcttt 1500 cttagaaatt tatttcctag ttctgtagaa atggttgtat tagatgttot ctatcattta 1560
ataatatact totogactaa aagatataag toctotataa aatcagccaa ttatottaaa 1620
ctagcatate tgcctttatt gtgtttgtca ttagcctgag tagaaaggcc tttaaaattt 1680
ttttagaaag catttgaatg cattttgttt ggtattgtat ttattcaata aagtatttaa 1740
ttagtgctaa gtgtgaactg gaccctgttg ctaagcccca gcaagcaatc ctaggtaggg 1800
tttaatcccc agtaaaattg ccatattgca catgtcttaa tgaagtttga atgttaaata 1860
aattgtatat tcactttaaa ggtgcttttg gtcattttat ttttattaca acttcattat 1920
ttacaaaacc coccatecag atatatteac gitaacaatt eigagataac igetgeatea 1980
eagitgeaca aagyetgatg agitgeaaat gitoacags accatetget aggeatiig 2240
eaacitegge aagittitet gigataatag acitetgiti ateagataag itatiteta 210
caaccacatc atggagttga ttgacgagct gagttgctgc atgaccctca tctattaaat 2160 ccttgaccac agcttctagt ttgtcaaaag agccactctg acaggcagca aatactccat 2220
caatittete agetggtatt accecageaa tgtetgtaat cactitetet gtgateteet 2280
ttocacctyt taatogagta gogotitgaa gaaatytaat ggetittett aagteteett 2340
ctgacactit aacaagataa gotatteect catoactaat titgacatit teettettyg 2400
caatytetay taatogetye tytigaatit tatotgacag aggetigaag oggaatitig 240
aacatctaga ggtcaggggt tcaattattc gactgacata gttacagata agacagaatc 2520 gggtggtttt cgactcettc tccatggtac gtcttaaagc tgcctgagca gctgaggtca 2580
gggrggttt Ggattett traktorga atoacaatet taanaggeg acaeggette coatchgage 2640
gatteotga cacagtetat tgagcaaaat ttraktortte tetegaact acttgtatte 2700
cacgttatat acteaggaa etcttaatet ggacaasa tettatet gascacat acttgtatte 2700
gttetetage tgetgeeaaa atagtggatg ttttteeagt teeaggtggt eegtaaaaca 2820
agagattagg aagatetget cettetaaag atttttteag caetgeaace acttetteet 2880
ggaaagcaac ttcatccaca cattttgggc gatatttttc cacccaggga acgggtttgg 2940 ctttcttgtt ctctccgcta cttcccqcac tggcagctac tcctcgatcc ttggtcagcg 3000
ggggtttagt actgatggat gtacctttaa gaaatgcttg catggtactt cacccagtta 3060
geetggette tegtgeaggt caeegeegee ggetcgttee teaggtttee gegatacaaa 3120
aaggacgaga tggtctcgaa gtcttagctc cgtcacctaa tctgagaata acgggcccag 3180
gagacttacg atcactgatg tccccacagt cgcctcagtt cccgccacgg 3230
<210> 249
<211> 1068
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 252719.12
<220>
<221> unsure
<222> 1063
<223> a, t, c, q, or other
etggttegge ceaectetga aggtteeaga ategatagtg aattegtggt tteetttgge 60
grattttetg tttteggaag ttgetgggtt egttttatte ageggeagtg gtgettteec 120
gaateteaga atgeetgtta aaagateaet gaagttggat ggtetgttag aagaaaatte 180
atttgateet teaaaaatea caaggaagaa aagtgttata aettattete caacaaetgg 240
aactigicaa atgagtetat tigettetee caeaagitet gaagageaa ageaagaaa 30
tggactatea atgagtetat tigettetee caeaagitet gaagageaa ageaagaaa 30
tggactatea aatgaaaaga gaaaaaaatt gaateaceee agittaactg aaageaaaga 30
atctacaaca aaagacaatg atgaattea gatgitgeta teaaaagitg agaaatigte 420
agaagaaate atggagataa tgcaaaattt aagtagitata caggettigg agggagtag 480
agagettgaa aateteattg gaateteetg tgeateacat ttettaaaaa gagaaatgea 540
gaaaaccaaa gaactaatga caaaagtgaa taaacaaaaa ctgtttgaaa agagtacagg 600
acttecteae aaaggteage eteagatgte acaacetetg tgaagetete eceagetete 660
etageateae gteatettga eagetatgaa tteettaaag ceattttaaa etgaggeatt 720
aagaagaaat gcactcacca tgagcaccaa cttetgcatc tgcctgatca tatttaaagg 780
aacagagaaa tatttgtaat taatetgee agtaaatace agetegtage agttggcagg 840
tgcatgtcta gataaaattt cttqcaqcta atttaaactt tctacacqca ccagtagata 900
```

```
atotoaatgt aaataataca tttottottg gototttaat gtaagccaac atggagagga 960
agatettgae ttatattetg taccacatae aettetgtgg aettttagea tttgtgggta 1020
gacttaataa agcatgtata aaagtggcaa aaaaaaaaa aangggcg
<210> 250
<211> 4244
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: g6063478
<400> 250
gccgcgcggt agatgcggtg cttttaggag ctccgtccga cagaacggtt gggccttgcc 60
ggctgteggt atgtegegae agageacect gtacagette ttecccaagt etceggeget 120
gagtgatgee aacaaggeet eggecaggge etcacgegaa ggeggeegtg eegecgetge 180
ccceggggcc tetecttecc caggegggga tgeggcctgg agegaggetg ggcctgggcc 240
caggecettg gegegeteeg egteacege caaggegaag aaceteaaeg gagggetgeg 300
gagateggta gegeetgetg cececaceag ttgtgaette teaccaggag atttggtttg 360
ggccaagatg gagggttacc cctggtggcc ttgtctggtt tacaaccacc cctttgatgg 420
aacattcatc cgcgagaaag ggaaatcagt ccgtgttcat gtacagtttt ttgatgacag 480
cccaacaagg ggctgggtta gcaaaaggct tttaaagcca tatacaggtt caaaatcaaa 540
Cocaacaagg ggctggyta gcaacagget braaagget acabagget acabagget aggaagccag aagggaggte attittacag tycaacgct gaalactga gagcaatgca 500 acgtycagat gaagccttaa atsaagaca gataagagg titgaatgg aggcttagaat gaagagaaga gatggaggta gcacacactt acgtaacagg 730
taagagtgaa gaagataatg aaattgagag tgaagaggaa gtacagccta agacacaagg 780
atctaggega agtageegee aaataaaaaa aegaagggte atatcagatt etgagagtga 840
cattggtggc tctgatgtgg aatttaagcc agacactaag gaggaaggaa gcagtgatga 900 aataagcagt ggagtggggg atagtgagag tgaaggcctg aacagccctg tcaaagttgc 960
togaaagogg aagagaatgg tgactggaaa tggctctctt aaaaggaaaa gctctaggaa 1020
ggaaacgecc teagecacea aacaageaac tagcatttea teagaaacea agaatacttt 1080
gagagettte tetgeceete aaaattetga ateccaagee caegttagtg gaggtggtga 1140
tgacagtagt cgccctactg tttggtatca tgaaacttta gaatggctta aggaggaaaa 1200
gagaagagat gagcacagga ggaggcctga tcaccccgat tttgatgcat ctacactcta 1260
tgtgcctgag gatttcctca attcttgtac tcctgggatg aggaagtggt ggcagattaa 1320
gtctcagaac tttgatcttg tcatctgtta caaggtgggg aaattttatg agctgtacca 1380
catggalget ettattggag teagtgaact ggggetggta tteatgaaag geaactggge 1440
ceattetgge ttteetgaaa ttgcatttgg cegttattea gatteectgg tgeagaaggg 1500 ctataaagta goacgatgg aacagactgg agactecagaa atgatggag cacgatgtag 1500 aaagatggag cactatateca agtatgatag agtggtagg aggagatet gtaggatat 1620
taccaagggt acacagactt acagtgtgct ggaaggtgat ccctctgaga actacagtaa 1680
gtatettett ageeteaaag aaaaagagga agattettet ggeeataete gtgeatatgg 1740
tgtgtgcttt gttgatactt cactgggaaa gtttttcata ggtcagtttt cagatgatcg 1800
ccattgttcg agatttagga ctctagtggc acactatece ccagtacaag ttttatttga 1860
aaaaggaaat ctctcaaagg aaactaaaac aattctaaag agttcattgt cctgttctct 1920
tcaggaaggt ctgatacccg gctcccagtt ttgggatgca tccaaaactt tgagaactct 1980
ccttgaggaa gaatatttta gggaaaagct aagtgatggc attggggtga tgttacccca 2040
ggtgcttaaa ggtatgactt cagagtctga ttccattggg ttgacaccag gagagaaaag 2100
tgaattggcc ctctctgctc taggtggttg tgtcttctac ctcaaaaaat gccttattga 2160
toaggagett ttatcaatgg ctaattttga agaatatatt cccttggatt ctgacacagt 2220
cagcactaca agatotggtg ctatottcac caaagcotat caacgaatgg tgctagatgc 2280
agigacatta aacaactigg agattittet gaatggaaca aatggiteta eigaaggaac 2340 ootactagag agggitgata eitgecatac teetittiggi aageggetee taaageaatg 2400
gctttgtgcc ccactctgta accattatgc tattaatgat cgtctagatg ccatagaaga 2460
cctcatggtt gtgcctgaca aaatctccga agttgtagag cttctaaaga agcttccaga 2520
tettgagagg ctactcagta aaattcataa tgttgggtet ceeetgaaga gtcagaacca 2580
cccagacage aggetataa tgtatgaaga aactacatac agcaagaaga agattattga 2640
ttttctttct getetggaag gatteaaagt aatgtgtaaa attataggga teatggaaga 2700
agttgctgat ggttttaagt ctaaaatect taagcaggte atetetetge agacaaaaaa 2760
tectgaaggt egitticetg attigactgt agaattgaac egatgggata cageetitga 2820
ccatgaaaag gctcgaaaga ctggacttat tactcccaaa gcaggctttg actctgatta 2880
tgaccaaget ettgetgaca taagagaaaa tgaacagage etcetggaat acetagagaa 2940
acagegeac agaattgget gtaggaceat agtetattgg gggattggta ggaacegtta 3000
ccagctggaa attcctgaga atttcaccac tcgcaatttg ccagaagaat acgagttgaa 3060
atctaccaag aagggetgta aacgatactg gaccaaaact attgaaaaga agttggctaa 3120
teteataaat getgaagaac ggagggatgt ateattgaag gaetgeatge qqeqaetqtt 3180
```

```
ctataacttt gataaaaatt acaaggactg gcagtctgct gtagagtgta tcgcagtgtt 3240
ggatgtttta etgtgeetgg etaaetatag tegagggggt gatggteeta tgtgtegeee 3300
agtaattoty ttgocoggaag ataaccocce ottottagag ottaaaggat cacgccatce 3360
ttgoattacg aagacttttt ttggagatga ttttattoct aatgacatto taatagyctg 3420
tgaggaagag gagcaggaaa atggcaaagc ctattgtyty ottgttactg gaccaaatat 3420
ggggggaag tetacgetta tgagacagge tggettatta getgtaatgg cecagatggg 3540
ttgttacgtc cetgctgaag tgtgcaggct cacacaatt gatagaggt ttactagact 3600
tggtgcctca gacagaataa tgtcaggtga aagtacattt tttgttgaat taagtgaaac 3660
tgccagcata ctcatgcatg caacagcaca ttctctggtg cttgtggatg aattaggaag 3720
aggtactgca acatttgatg ggacggcaat agcaaatgca gttgttaaag aacttgctga 3780 gactataaaa tgtcgtacat tattttcaac teactaccat tcattagtag aagattattc 3840
tcaaaatgtt gotgtgcgcc taggacatat ggcatgcatg gtagaaaatg aatgtgaaga 3900
ccagacacgaaggagctatta cgttcctcta taaattcatt aagggagctt gtcctaaaag 3960
ctaggcttt aatgcagcaa ggcttgctaa tetccoagag gaagttattc aaaagggaca 4020
tagaaaagca agagaatttg agaagatgaa tcagtcacta cgattatttc gggaagtttg 4080
cctggctagt gaaaggtcaa ctgtagatgc tgaagctgtc cataaattgc tgactttgat 4140
taaggaatta tagactgact acattggaag ctttgagttg acttctgaca aaggtggtaa 4200
attcagacaa cattatgatc taataaactt tatttttaa aaat
<210> 251
<211> 2148
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 347314.3
<221> unsure
<222> 107-160
<223> a, t, c, g, or other
<400> 251
agetettgga agaettgggt cettgggteg caggtgggag ceqacqqgqt etcaetecat 60
tgcccaggcc agagtgcggg gatatttgat aagaaacttc agtgaannnn nnnnnnnnn 120
acetygatet aggacetyt taaggactaa geteagtty gagyteaaa aeytytte 240
gtetytyse statteetyt taaggatea ttaeetytaa atagtygea gyeteagegy 300
gtetytyse etteaaatte tteeagege ytteettye aageacaaaa getytete 360
agtcacaage eggtteagaa teagaageag aageaattge aggeaaceag tgtaceteat 420
cetyteteca ggecaetgaa taacacccaa aagagcaage ageceetgec ateggcacet 480
gaaaataate ctgaggagga actggcatca aaacagaaaa atgaagaate aaaaaagagg 540
cagtgggctt tggaagactt tgaaattggt cgccctctgg gtaaaggaaa gtttggtaat 600
gtttatttgg caagagaaaa gcaaagcaag tttattctgg ctcttaaagt gttatttaaa 660
geteagetgg agaaageegg agtggageat cageteagaa gagaagtaga aatacagtee 720
caccttegge atectaatat tettagaetg tatggttatt tecatgatge taccagagte 780
tacctaattc tggaatatgc accacttgga acagtttata gagaacttca gaaactttca 840
aagtttgatg agcagagaac tgctacttat ataacagaat tggcaaatgc cetgtettac 900
tgtcattega agagagttat teatagagac attaagccag agaacttact tettggatca 960
getggagage ttaaaattge agattttggg tggtcagtae atgetecate ttecaggagg 1020
accactetet gtggcaccet ggactacetg cecectgaaa tgattgaagg teggatgcat 1080
gatgagaagg tggatetetg gageettgga gttetttget atgaatttit agttgggaag 1140
cetcettttg aggeaaacac ataccaagag acctacaaaa gaatatcacg ggttgagaat 1200
teacattece tgactttgta acagagggag ccagggacet catttcaaga ctgttgaage 1260
ataatcccag ccagaggcca atgctcagag aagtacttga acacccctgg atcacagcaa 1320
atteateaaa accateaaat tgecaaaaca aagaateage tagcaaacag tettaggaat 1380
cgtgcagggg gagaaatect tgagccaggg ctgccatata acctgacagg aacatgctac 1440
tgaagtttat tttaccattg actgctgccc tcaatctaga acgctacaca agaaatattt 1500
gttttactca gcaggtgtgc cttaacctcc ctattcagaa agctccacat caataaacat 1560
gacactetga agtgaaagta gecacgagaa ttgtgetact tatactggtt cataatetgg 1620
aggcaaggtt cgactgcagc cgccccgtca gcctgtgcta ggcatggtgt cttcacagga 1680
ggcaaatcca gagcctggct gtggggaaag tgaccactct gccctgaccc cgatcagtta 1740
aggagotgtg caataacott cefagtacot gagtgagtgt gtaacitatt gggttggoga 1800
agoctgytaa agoctgitgga atgagtatgt gattottttt aagtatgaaa ataaagatat 1860
atgtacagac tigtattitt tetetggtgg cattocttta ggaatgotgt gigtotgtoc 1920
ggcaccccgg taggcctgat tgggtttcta gtcctcctta accacttatc tcccatatga 1980
```

```
gagtgtgaaa aataggaaca cgtgctctac ctccatttag ggatttgctt gggatacaga 2040
agaggecatg tgteteagag etgttaaggg ettatttttt taaaacattg gagteatage 2100
atgtgtgtaa actttaaata tgcaaataaa taagtatcta tgtctgtg
<210> 252
<211> 2237
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: g3213196
<400> 252
ggaagacttg ggteettggg tegeaggtgg gageegaegg gtgggtagae egtgggggat 60
ateteagtgg eggaegagga eggeggggae aaggggegge tggteggagt ggeggagegt 120
caagteeest gteggtteet cegteestga gtgteettgg egetgeettg tgeeegeesa 180
gegeettige ateegeteet gggeacegag gegeeetgta ggatactget tgttacttat 240
Lacagotaga ggoatoatgg accgatotaa agaaaactgo atttoaggac etgttaaggo 300
tacagotoca gttggaggto caaaacgtgt totogtgact cagcaaatto ettgtcagaa 360
tocattacet gtaaatagtg gecaggetea gegggtettg tgteetteaa attetteeca 420
gegentteet tigeaageac aaaagetigt etceagteac aageeggite agaateagaa 480
gcagaagcaa ttgcaggcaa ccagtgtacc tcatcctgtc tccaggccac tgaataacac 540
ccaaaagagc aagcagcccc tgccatcggc acctgaaaat aatcctgagg aggaactggc 600
atcanancag annantgang antcananan gaggcagtgg gctttggang actttganat 660
tggtcgcct ctgggtaaag gaaagtttgg taatgtttat ttggcaagag aaaagcaaag 720 caagtttatt ctggctctta aagtgttatt taaagctcag ctggagaaag ccggagtgga 780
gcatcagete agaagagaag tagaaataca gteccacett eggeateeta atattettag 840
actgtatggt tatticoatg atgctaccag agtctaccta attctggaat atgcaccact 900
tggaacagtt tatagagaac ttcagaaact ttcaagaftt gatgagcaga gaactgctac 960
ttatataaca gaattggcaa atgccctgtc ttactgtcat tcgaagagag tattcatag 1020
agacattaag ccaqagaact tacttcttgg atcagctgga gagcttaaaa ttgcagattt 1080
tgggtggtca gtacatgete catettecag gaggaceact etetgtggca ceetggacta 1140
ectgeecect gaaatgattg aaggteggat geatgatgag aaggtggate tetggageet 1200
tggagttett tgetatgaat ttttagttgg gaageeteet tttgaggeaa acacatacea 1260
agagacetae aaaagaatat eaegggttga atteacatte cetgaetttg taacagaggg 1320
agecagggae etcattteaa gaetgttgaa geataateee agecagagge caatgeteag 1380
agaagtactt gaacacccct ggatcacagc aaattcatca aaaccatcaa attgccaaaa 1440
caaagaatca gctagcaaac agtcttagga atcgtgcagg gggagaaatc cttgagccag 1500
ggetgecata taacetgaca ggaacatget actgaagtit attitaceat tgactgetge 1560
ceteaateta gaacgetaca caagaaatat ttgttttact cagcaggtgt geettaacet 1620
ccctattcag aaagctccac atcaataaac atgacactct gaagtgaaag tagccacgag 1680
aattytysta ettataetyy tteataatet gyagyeaagy ttegaetysa geegeeegt 1740
cagoctytyc taggoatyyt ytottcacay gaggoaaato cagagoctyy otytygyyaa 1800 agtyaccact ctyccctyac cocyatcayt taaygayoty tycaataacc ttoctaytac 1860
ctgagtgagt gtgtaactta ttgggttggc gaagcctggt aaagctgttg gaatgagtat 1920
gtgattettt ttaagtatga aaataaagat atatgtacag acttgtattt tttctctggt 1980
ggcatteett taggaatget gtgtgtetgt ceggcacece ggtaggeetg attgggttte 2040
tagteeteet taaecaetta teteeeatat gagagtytga aaaataggaa eaegtgetet 2100
aceteeattt agggatttge ttgggataea gaagaggeea tgtgteteag agetgttaag 2160
ggcttatttt tttaaaacat tggagtcata gcatgtgtgt aaactttaaa tatgcaaata 2220
aataagtatc tatgtct
<210> 253
<211> 2790
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 245184.3
ctggageege cegettgeee gteggteget agetegeteg gtgegegteg tecegeteea 60
tagegetett egtgeggetg etggeteteg eeetggetet ggeeetggge eeegeegga 120
ccctggcggg tcccgccaag tcgccctacc agctggtgct gcagcacagc aggctccggg 180 gccgccagca cggcccaac gtgtgtgctg tgcagaaggt tattggcact aataggaagt 240
```

gotacyagig taccacatac taccactac taccacatac taccacatac taccacatac taccacatac taccacatac taccacatac taccacatac taccacatac taccacatac tactacatac tactacatac tactacatac tactacatac tactacatac tactacatac tactacatac tactacatac taccacatac t	ctgcaagcag ctgtcctgga aaacctttac cacggagaag caacgaggac cattgagctg gctgaacac gcagagac gcagatcattg gctgaacac gcagagac acacgggg ctacctaat aaccacggg ctgaacac cactacatt agagttgat cctcaat ggctctgat cctcaat ggctctgat cctcaat ggctctgat cctcaat ggctctaag ggttttgt gagggaga tggagac tagagac tcaagagg tcacagagg tcacacagag gacacataat tagagactatag agaccactagag agaccactagag agaccactagag gaccatagag tcacacagag tcacacagag tcacacagag tcacacagag tcacacagag tcacacagag tcacacagag tcacacagag tcacacagag tcacataat tagagactattg	tatgaaagg agaacctgg ctgaggcetce tcaatgcec gggattgaac gggattgaac gggattgaac atgattgaag atgattcaag agatgacctg gatgaagccag atctgaag atctgaac atctgaaac cggcataag atcagaaac cggctaaag cgcataaag cgcataaag catcacaaa agacttgaac tagattgaac tagattgaac tagattaac atctgaaat cggctaaag atcaccaa atcaccaat agacttgaac tagattgaac tagagag atcaccaa agacttgaac tagattgaac tagattgaac tagattgaac tagattgaac tagattgaag tcaccaaag tcaccaaag tcaccaaag tcaccaaag tcactacaagag cacaaaggac tagattgag gatatgagt aaaaggacat aaaaggaccat aaaaggaccat aaaaggaccat	tocctggga agatguttgg agatgutggagg ttgocagctia tocgotacca toaccatata totgtgaacty toaccatca agatgaaga agagacata agggacaga caattgaaga caattgaacta coctoctgga caatgaacta coctoctgga caatgaaatta tatgacaga cocttgaat tgttaaga gacattgaact caccaagga aacaaatgg caccaagga caccaagga caccaagga caccaagga caccaagga caccaagga caccaagga caccaagga caccaagga caccaagga caccaagga caccaagga caccaagga caccaagga caccaagga ttgaacaa caccattgaat tgaacaaca caccattgaat tgaccaagga cac	gaagggctgt accapcance gocggcaga agtgctggac tatggtgggc ttaccapcan tpaccapcan gtaccapcan tpaccapcan gtacapcat teagcact actygaagt tecagcan tecagcan tectggaac cettggaac cettggaac cettggaac cettggaac tettgagacan tgagacgag tettagatga aggacggt tettagatga aggacgag tettagaatga gagaggacga tettagaatga aggagcaga tetagaaaga cetgagacaga cetgagaaca cetgagaaca cetgagaaca cetgagaaca cetgagaaca cetgagaaca cetgagacaga tetagaacag cetgagacaga tetagaacag cetgagacaga tetagaacag cetagaacagaacag cetagaacagaacag cetagaacag cetagaacag cetagaacag cetagaacag cetagaacag cetagaacag cetagaacag cetagaacag cetagaacag cetagaacag cetagaacag cetagaacag cetagaacag cetagaacag cetagaacag cetagaacag cetagaacagaacag cetagaaca	ccagcagece actoagecy tteaccatet teccetageta aggegagtee tecaacate tecaaggegagtee tecaaggagtee tecaaggagagtee tecaaggagagtee tecaaggagagtee tecaaggagagtee tecaaggagagtee tecaaggagagtee tecaaggagagtee tecaaggagagtee tecaaggagagtee tecaaggagagagagagagagagagagagagagagagagag	360 420 480 420 4420 4420 4420 4420 4420 4
	tccaagcaac tgatgccatt		gagacacatt	tgacagaaca	tetcaaetea	2760 2790
<220> <221> misc	_	43574.11				
aggteccag ggggggggt ectgeagece aagtgteca ggaetggeat ccacgetgag gcetaaagge gagaeceat cagatgeca cacgetgage cctaaagge	aaggegggg ggtceaagtc cceggggtce gtgcegcece agtgcaacaa cggcctgcc cacgaaggca tttgggeggg gggtccctt acgaaggcaa ttgggeggg cttggctgc	ctgggttcag ctgaaaggeg agcegetgcc ggaggtgtac tgaagtgcga aaccctactg geggagecga ttgcagggc gttgcccta accctactgc cqqaqecqaq	agggeggge eggaccagge gcetgeaceg ttegeegaga gaaatgtggg caaccaccac actgtccagg atgetetcag accacccet agecacactt	gcgagggcg cggatccacc gacceggagc ggggtgacct aagacgctga tgctacgtaa ttcaagtaaa caaatgccag taaacctgaa gctacgcagc tcaagtaaa	gtgtctccaa cagtctcgcg cgccatgccc ctctgggcaa cctctggggaa ccatgtttgg ccaggtggtg gccttgtccc cactgggggc catgtttggg caggtgttgtgg	120 180 240 300 360 420 480 540 660 720

836

agatgeceag ggetecettg ttgeceetaa tgeteteagt aaacetgaac acttgg <210> 255 <211> 5991 <212> DNA <213> Homo sapiens <220> <221> misc feature <223> Incvte ID No: 474826.6 <400> 255 ocggecocgg gacgogaggg ggotgocagg ggogtocggt tacatococg octtoctotg 60 toctpgocgo gggacogggt ttpcgggaco goattoggg aacatgtigg octoggacog 120 ocggatocgg gotgoctgga ogoggogot gotgotgocg otgotgotgg ogggocotg 180 gggetgeetg ageogecagg agetetttee etteggeece ggacaggggg acetggaget 240 ggaggacggg gatgactteg teteteetge cetggagetg agtggggege teegetteta 300 cgacagatec gacategaeg cagtetaegt caccacaaat ggoatcattg ctacgagtga 360 acceceggec aaagaatece atceeggget etteccacca acatteggtg cagtegeece 420 tttcctggcg gacttggaca cgaccgatgg cctggggaag gtttattatc gagaagactt 480 atcccctcc atcactcage gageageaga gtgtgtccac agagggttcc eggagatete 540 tttccaqcct aqtaqcqcqq tqqttqtcac ttqqqaatcc gtqqccccct accaagggcc 600 cagcagggac ccagaccaga aaggcaagag aaacacgttc caggctgttc tagcctcctc 660 tgattccagc tcctatgcca ttttccttta tcctgaggat ggtctgcagt tccatacgac 720 atteteaaag aaggaaaaca accaagttee tgeegtggtt gcatteagte aaggtteagt 780 gggattetta tggaagagea acggagetta taacatattt getaatgaca gggaatcaat 840 tgaaaattig gcaagagta gtaactotgg gcagcaggt gtotgggtgt ttgagattgg 900 gagtocagca ccaccaatg gcqtggtgc tycagagtg atoctoggaa otyaagatgg 92 gcagagtg atgagtagag atgaagata tgacctgcg accactcgtc tgggcotgga 1020 ggatgtgggc accacgccct tctcctacaa ggctctgaga aggggaggtg ctgacacata 1080 cagtgtgccc agcgtcctct ccccgcgccg ggcagctacc gaaaggcccc ttggacctcc 1140 cacagagaga accaggtett tecagtigge agtggagact tttcaccage agcaccetca 1200 ggtcatagat gtggatgaag ttgaggaaac aggagttgtt ttcagctata acacggattc 1260 cgccagacg tgtgctaaca acagacacca gtgctcggty cacgcagagt gcagggacta 1220 cgccacgggc ttctgctgca gctgtgtcgc tggctatacg ggcaatggc gcaatggt 1380 tgcagaaggt tececeage gagtcaatgg caaggtgaaa ggaaggatet ttgtggggag 1440 tgcagaaggt teccoccage gagteaatgg caaggtgataa ggaaggatet tyyyyyay swy cagcaggtb cecattgirt ttgagaaca tyacotcac tottacgta taatgaaca 1500 eggegotce tacacagcea teagcaacat tocogaaca tyggatat ettefottee 50 actgoccac gttggaagga teattgatg gatgittgoa gtygaaga acggatteaa 1620 gaatgggttc agcatcaccg ggggtgagtt cactcgccag gctgaggtga ccttcgtggg 1680 geacceggge aatetggtea ttaageageg gtteagegge ategatgage atgggeacet 1740 gaccategae acggagetgg agggeegegt geegeagatt eegttegget eeteegtgea 1800 cattgagece tacacggage tgtaccacta etceacetea gtgateactt ecteetecae 1860 eegggagtac aeggtgactg agecegageg agatggggea teteetteae geatetacae 1920 ttaccaqtgg cgccaqacca tcaccttcca ggaatgcgtc cacgatgact cccggccagc 1980 cetgeecage acceageage teteggtoga cagegtotte gteetgtaca accaggagga 2040 gaagatettg egetatgete teageaacte cattgggeet gtgagggaag geteecetga 2100 tgetetteag aatecetget acateggeac teatgggetg geacacaaeg eggeettig 2100 eeetggtac aggacacagt teacetgeag tgetecate ggetteegag gagacggeg 2220 aacetgetac tgatattgatg aatgtecaga acacactocta gfetgytgyag sccaacacat 2280 ctgcaataat cacccaggaa cetteegetg egagtgtgtg gagggetace agttttcaga 2340 tgagggaacg tgtgtggctg tcgtggacca gcgccccatc aactactgtg aaactggcct 2400 Samples 3 2400 to talk the control of the control o ccaqtgcaaa cctgqttatc agggagacgg cttccgttgc gtgcccggag aggtggagaa 2640 aaceeggtge cagcacgage gagaacacat teteggggca gegggggcga cagacccaca 2700 gegacceatt ceteegggge tgttegttee tgagtgegat gegeacggge actaegegee 2760 cacceagtge caeggeagea ceggetactg etggtgegtg gategegaeg geegegaggt 2820 ggagggcacc aggaccaggc ccgggatgac gcccccgtgt ctgagtacag tggctccccc 2880 gatteaccaa ggacctgcgg tgcctaccgc cgtgatcccc ttgcctcctg ggacccattt 2940 actetttgcc cagactggga agattgagcg cctgcccctg gagggaaata ccatgaggaa 3000 gacagaagca aaggcgttcc ttcatgtccc ggctaaagtc atcattggac tggcctttga 3060 etgegtggae aagatggttt aetggaegga cateaetgag cetteeattg ggagagetag 3120 tctacatggt ggagagccaa ccaccatcat tagacaagat cttggaagtc cagaaggtat 3180 cgctgttgat caccttggcc gcaacatctt ctggacagac tctaacctgg atcgaataga 3240 agtggcgaag ctggacggca cgcagcgccg ggtgctcttt gagactgact tggtgaatcc 3300

an an armant t						
	gtaacggatt	ccataaaaaa	gaacctttac	tggacagact	ggaacagaga	3360
taaccccaag	attgaaactt	cctacatoga	coocacoaac	cggaggatcc	ttgtgcagga	3420
tgacctgggc	ttacccaata	ractracett	castacatta	tcatctcagc	tetactagat	3480
castacagaga	negoodaacg	garagacacac	ega ega ga ga est	cagcccagca	andanaga a	3540
				gggaagaatc		
agactggaag	atgaattccg	tggttgctct	cgatcttgca	atttccaagg	agacggatgc	3660
tttccaaccc	cacaagcaga	cccggctgta	tggcatcacc	acggccctgt	ctcagtgtcc	3720
gcaaggccat	aactactgct	cartraacaa	taggaagtag	acccacctat	gettggeeae	3780
cocsaaasac	aggacctgcc	attaccatas	caacacetta	ggagttgact	gtatcgaaca	3840
	aggacotgco	ttatttatt	tamentett	tananaana	natatoatta	2000
				tcacagcaac		
aagcaacttg	grccagarrg	aaaagtgtcc	tetggetgag	tggccactag	gcccagaccc	3960
				tccccaaaac		
gactteteta	atagaaaagt	tccaccccta	cacaaggaca	gaaccctcca	cccctacccc	4080
caaccet.cac	acagacttat	acacccctda	gtgaggatta	catgeceate	ecagtgteet	4140
aggacetttt	ccceatacta	acceceaat	autascara	acctcccaaa	tttgagttgc	4200
				gtacccaccg		
rectigacet	augageeggg	geetgaetag	gaaaagttgg	gagttaagga	ggaaactage	4320
attccttaat	gttttgtttt	ggtgctctga	atttettett	tattatagtc	ctatagtttt	4380
actcctcagt	tcctcaccat	catcatcttg	tctaagaccc	ccattataat	attcatgcgc	4440
tgctttttca	tcaaaaccta	ccctqtccta	gagatetatg	ggcatttggt	ggatgataat	4500
				aggatattgg		
ttaaaggett	asatrasaar	aatgtccaat	autamaatt	tcaaggtgta	aatcaastat	4620
thenenates	com thith	tertert	tanattataa	caaagattac	toattattaa	4600
Lugagaalag	gggattttt	tgatgtgcct	tadattatat	caaayattac	taattattee	4740
tetttgeeca	aaatacttgc	atccaaggtt	ctagtctctg	ttgctgtgct	ggtetttage	4/40
cccactgctt	gcactgatgt	ccctcctttt	cacggagacc	tatctgaggt	acaggatggg	4800
getggeacea	gatgatgtcc	caccacagtc	cctcacctcc	ggcctccaca	tgacagaacc	4860
aatttacact	caaccatgac	ctcacccctc	cttggtttct	ccctcgatct	gtggcccttt	4920
ttogatotat	tettatetaa	caacacaatc	cggaaagact	gaattgaata	tttatactaa	4980
toottcatat	cetttattee	traatratet	aattaaaggg	atcattgcca	catttcatct	5040
ttatatttct	acaatttott	tagaaaagat	ctcctcacca	tatcagtage	tentattate	5100
tttttattaa	etgetteeda	gegteetaaa	acaatayaaa	ttttggattg	aaaagcccag	2700
cataaggagt	ttgagtcagt	aaaggatggg	ataaaggaaL	cgagatgatt	caalgaaaag	5220
tatcacaaaa	aaagagattg	atcaacaaga	gaaataaaaa	ageccaagag	gaagtggtag	5280
gggaaggaat	ttaagaacag	caataagtaa	aactcttaag	taactccaaa	aagaaaatgg	5340
tacattttgc	caaagaccac	ttatacttga	gaacatggaa	gaatttgcct	gatactctct	5400
ttqqqqaaaa	gagtetetee	tetttteete	aaaccccaqt	acactcaqcc	tetetgeece	5460
ttggggaaaa accttctcct	gagtetetee	tcacttcctc	ctgcagtaca	acactcagcc ttggaacctg	aattgaaaga	5460
accttctcct	gactttgtcc	tcacttgctt	ctgcagtaca	ttggaacctg	aattgaaaga	5520
accttctcct aagtcttcct	gactttgtcc tgaataattg	tcacttgctt gagtttgtct	ctgcagtaca tgagaggcaa	ttggaacctg atatagcccc	aattgaaaga aagaatcaca	5520 5580
accttctcct aagtcttcct agattcgagg	gactttgtcc tgaataattg accatgtagg	tcacttgctt gagtttgtct tcttttacgt	ctgcagtaca tgagaggcaa agcccaaatc	ttggaacctg atatagcccc cataaattag	aattgaaaga aagaatcaca tctcactttt	5520 5580 5640
accttctcct aagtcttcct agattcgagg tgtatttatc	gactttgtcc tgaataattg accatgtagg gtttcatatt	tcacttgctt gagtttgtct tcttttacgt aaaccctcta	ctgcagtaca tgagaggcaa agcccaaatc tatcaaatgt	ttggaacctg atatagcccc cataaattag tcatcatgat	aattgaaaga aagaatcaca tctcactttt tttgtatgat	5520 5580 5640 5700
accttctcct aagtcttcct agattcgagg tgtatttatc ttttataact	gactttgtcc tgaataattg accatgtagg gtttcatatt attttattca	tcacttgctt gagtttgtct tcttttacgt aaaccctcta ttttattaga	ctgcagtaca tgagaggcaa agcccaaatc tatcaaatgt tttattctaa	ttggaacctg atatagcccc cataaattag tcatcatgat aatttttaa	aattgaaaga aagaatcaca tctcactttt tttgtatgat tggtaaattc	5520 5580 5640 5700 5760
accttctcct aagtcttcct agattcgagg tgtatttatc ttttataact ttaaactgtg	gactttgtcc tgaataattg accatgtagg gtttcatatt attttattca gaaaccactg	tcacttgctt gagtttgtct tcttttacgt aaaccctcta ttttattaga aaggtgctta	ctgcagtaca tgagaggcaa agcccaaatc tatcaaatgt tttattctaa ttaactgttc	ttggaacctg atatagcccc cataaattag tcatcatgat aatttttaa tcccagattt	aattgaaaga aagaatcaca tctcactttt tttgtatgat tggtaaattc gtacaagtat	5520 5580 5640 5700 5760 5820
accttctcct aagtcttcct agattcgagg tgtatttatc tttataact ttaaactgtg tggatgattc	gactttgtcc tgaataattg accatgtagg gtttcatatt attttattca gaaaccactg cttgagttta	tcacttgctt gagtttgtct tcttttacgt aaaccctcta ttttattaga aaggtgctta cagctgtaca	ctgcagtaca tgagaggcaa agcccaaatc tatcaaatgt tttattctaa ttaactgttc aatagtgtgg	ttggaacctg atatagcccc cataaattag tcatcatgat aattttttaa tcccagattt gcagaaccca	aattgaaaga aagaatcaca tctcactttt tttgtatgat tggtaaattc gtacaagtat gggcatgaag	5520 5580 5640 5700 5760 5820 5880
accttctcct aagtcttcct agattcgagg tgtatttatc tttataact ttaaactgtg tggatgattc	gactttgtcc tgaataattg accatgtagg gtttcatatt attttattca gaaaccactg cttgagttta	tcacttgctt gagtttgtct tcttttacgt aaaccctcta ttttattaga aaggtgctta cagctgtaca	ctgcagtaca tgagaggcaa agcccaaatc tatcaaatgt tttattctaa ttaactgttc aatagtgtgg	ttggaacctg atatagcccc cataaattag tcatcatgat aattttttaa tcccagattt gcagaaccca	aattgaaaga aagaatcaca tctcactttt tttgtatgat tggtaaattc gtacaagtat gggcatgaag	5520 5580 5640 5700 5760 5820 5880
acetteteet aagtetteet agattegagg tgtatttate tttataaet ttaaaetgtg tggatgatte atccaaaagg	gactttgtcc tgaataattg accatgtagg gtttcatatt attttattca gaaaccactg cttgagttta gcctggttca	tcacttgctt gagtttgtct tcttttacgt aaaccctcta ttttattaga aaggtgctta cagctgtaca gcttttctc	ctgcagtaca tgagaggcaa agcccaaatc tatcaaatgt tttattctaa ttaactgttc aatagtgtgg cagggccatg	ttggaacctg atatagcccc cataaattag tcatcatgat aatttttaa tcccagattt gcagaaccca gcagctttca	aattgaaaga aagaatcaca tctcactttt tttgtatgat tggtaaattc gtacaagtat ggcatgaag tggcgtctgg	5520 5580 5640 5700 5760 5820 5880
acetteteet aagtetteet agattegagg tgtatttate tttataaet ttaaaetgtg tggatgatte atccaaaagg	gactttgtcc tgaataattg accatgtagg gtttcatatt attttattca gaaaccactg cttgagttta gcctggttca	tcacttgctt gagtttgtct tcttttacgt aaaccctcta ttttattaga aaggtgctta cagctgtaca gcttttctc	ctgcagtaca tgagaggcaa agcccaaatc tatcaaatgt tttattctaa ttaactgttc aatagtgtgg cagggccatg	ttggaacctg atatagcccc cataaattag tcatcatgat aattttttaa tcccagattt gcagaaccca	aattgaaaga aagaatcaca tctcactttt tttgtatgat tggtaaattc gtacaagtat ggcatgaag tggcgtctgg	5520 5580 5640 5700 5760 5820 5880 5940
acctteteet aagtetteet agattegagg tgtatttate ttttataact ttaaactgtg tggatgatte atccaaaagg ggttttaccc	gactttgtcc tgaataattg accatgtagg gtttcatatt attttattca gaaaccactg cttgagttta gcctggttca	tcacttgctt gagtttgtct tcttttacgt aaaccctcta ttttattaga aaggtgctta cagctgtaca gcttttctc	ctgcagtaca tgagaggcaa agcccaaatc tatcaaatgt tttattctaa ttaactgttc aatagtgtgg cagggccatg	ttggaacctg atatagcccc cataaattag tcatcatgat aatttttaa tcccagattt gcagaaccca gcagctttca	aattgaaaga aagaatcaca tctcactttt tttgtatgat tggtaaattc gtacaagtat ggcatgaag tggcgtctgg	5520 5580 5640 5700 5760 5820 5880 5940
accttctcct aagtttcct agattcgagg tgtatttatc ttttataact ttaaactgtg tggatgattc atccaaaagg ggttttaccc <210> 256	gactttgtcc tgaataattg accatgtagg gtttcatatt attttattca gaaaccactg cttgagttta gcctggttca	tcacttgctt gagtttgtct tcttttacgt aaaccctcta ttttattaga aaggtgctta cagctgtaca gcttttctc	ctgcagtaca tgagaggcaa agcccaaatc tatcaaatgt tttattctaa ttaactgttc aatagtgtgg cagggccatg	ttggaacctg atatagcccc cataaattag tcatcatgat aatttttaa tcccagattt gcagaaccca gcagctttca	aattgaaaga aagaatcaca tctcactttt tttgtatgat tggtaaattc gtacaagtat ggcatgaag tggcgtctgg	5520 5580 5640 5700 5760 5820 5880 5940
accttctcct aagattctcat agattcgagg tgtatttatc tttataact ttaaactgtg tggatgattc atccaaaagg ggttttaccc <210> 256 <211> 2889	gactttgtcc tgaataattg accatgtagg gtttcatatt attttattca gaaaccactg cttgagttta gcctggttca	tcacttgctt gagtttgtct tcttttacgt aaaccctcta ttttattaga aaggtgctta cagctgtaca gcttttctc	ctgcagtaca tgagaggcaa agcccaaatc tatcaaatgt tttattctaa ttaactgttc aatagtgtgg cagggccatg	ttggaacctg atatagcccc cataaattag tcatcatgat aatttttaa tcccagattt gcagaaccca gcagctttca	aattgaaaga aagaatcaca tctcactttt tttgtatgat tggtaaattc gtacaagtat ggcatgaag tggcgtctgg	5520 5580 5640 5700 5760 5820 5880 5940
accttctcct aagattctcat agattcgagg tgtatttatc ttttataact ttaaactgtg tggatgattc atccaaaagg ggttttaccc <210> 256 <211> 2889 <212> DNA	gactttgtcc tgaataattg accatgtagg gtttcatatt attttattca gaaaccactg cttgagtta gcctggttca cactcatct	tcacttgctt gagtttgtct tcttttacgt aaaccctcta ttttattaga aaggtgctta cagctgtaca gcttttctc	ctgcagtaca tgagaggcaa agcccaaatc tatcaaatgt tttattctaa ttaactgttc aatagtgtgg cagggccatg	ttggaacctg atatagcccc cataaattag tcatcatgat aatttttaa tcccagattt gcagaaccca gcagctttca	aattgaaaga aagaatcaca tctcactttt tttgtatgat tggtaaattc gtacaagtat ggcatgaag tggcgtctgg	5520 5580 5640 5700 5760 5820 5880 5940
accttctcct aagattctcat agattcgagg tgtatttatc tttataact ttaaactgtg tggatgattc atccaaaagg ggttttaccc <210> 256 <211> 2889	gactttgtcc tgaataattg accatgtagg gtttcatatt attttattca gaaaccactg cttgagtta gcctggttca cactcatct	tcacttgctt gagtttgtct tcttttacgt aaaccctcta ttttattaga aaggtgctta cagctgtaca gcttttctc	ctgcagtaca tgagaggcaa agcccaaatc tatcaaatgt tttattctaa ttaactgttc aatagtgtgg cagggccatg	ttggaacctg atatagcccc cataaattag tcatcatgat aatttttaa tcccagattt gcagaaccca gcagctttca	aattgaaaga aagaatcaca tctcactttt tttgtatgat tggtaaattc gtacaagtat ggcatgaag tggcgtctgg	5520 5580 5640 5700 5760 5820 5880 5940
accttctcct aagatctcagg tgtatttatc tttaaactgtg tggatgatc atccaaaagg ggttttaccc <210> 256 <211> 2889 <212> DNA <213> Homo	gactttgtcc tgaataattg accatgtagg gtttcatatt attttattca gaaaccactg cttgagtta gcctggttca cactcatct	tcacttgctt gagtttgtct tcttttacgt aaaccctcta ttttattaga aaggtgctta cagctgtaca gcttttctc	ctgcagtaca tgagaggcaa agcccaaatc tatcaaatgt tttattctaa ttaactgttc aatagtgtgg cagggccatg	ttggaacctg atatagcccc cataaattag tcatcatgat aatttttaa tcccagattt gcagaaccca gcagctttca	aattgaaaga aagaatcaca tctcactttt tttgtatgat tggtaaattc gtacaagtat ggcatgaag tggcgtctgg	5520 5580 5640 5700 5760 5820 5880 5940
accttctcct accttctct accttctct accttcct accttcct accttcct accttcct accttcct accttcct accttcct acctcccc accttcct acctcccc accttcccc acctcccc acctcccc acctcccc acctcccc acctccccc acctcccccc acctccccccc acctcccccccc	gactttgtcc tgaataattg accatgtagg gtttcatatt attttattca gaaaccactg cttgagttca gcctggttca cactcatctt	tcacttgctt gagtttgtct tcttttacgt aaaccctcta ttttattaga aaggtgctta cagctgtaca gcttttctc	ctgcagtaca tgagaggcaa agcccaaatc tatcaaatgt tttattctaa ttaactgttc aatagtgtgg cagggccatg	ttggaacctg atatagcccc cataaattag tcatcatgat aatttttaa tcccagattt gcagaaccca gcagctttca	aattgaaaga aagaatcaca tctcactttt tttgtatgat tggtaaattc gtacaagtat ggcatgaag tggcgtctgg	5520 5580 5640 5700 5760 5820 5880 5940
accttctcct accttctct accttctct accttcct accttcct accttcct accttcct accttcct accttcct accttcct acctcccc accttcct acctcccc accttcccc acctcccc acctcccc acctcccc acctcccc acctccccc acctcccccc acctccccccc acctcccccccc	gactttgtcc tgaataattg accatgtagg gtttcatatt attttattca gaaaccactg cttgagttca gcctggttca cactcatctt	tcacttgctt gagtttgtct tcttttacgt aaaccctcta ttttattaga aaggtgctta cagctgtaca gcttttctc	ctgcagtaca tgagaggcaa agcccaaatc tatcaaatgt tttattctaa ttaactgttc aatagtgtgg cagggccatg	ttggaacctg atatagcccc cataaattag tcatcatgat aatttttaa tcccagattt gcagaaccca gcagctttca	aattgaaaga aagaatcaca tctcactttt tttgtatgat tggtaaattc gtacaagtat ggcatgaag tggcgtctgg	5520 5580 5640 5700 5760 5820 5880 5940
accttetect agattegag tgatttate ttaaactgt tggatyatte atccaaaagg ggttttaccc <210> 256 <211> 2889 <212> DNA <213> Homo <2220> <220>	gactttyttoc tygaataatty accatgtagg gtttcatatt attttattca gaaaccactg cttgagtta gcttgagtta gcctggttca cactcatctt sapiens feature	teacttgett gagtttgtet tettttaegt aaacceteta ttttattaga aaggtgetta cagctgtaea getttttec cagctggett	ctgcagtaca tgagaggcaa agcccaaatc tatcaaatgt tttattctaa ttaactgttc aatagtgtgg cagggccatg	ttggaacctg atatagcccc cataaattag tcatcatgat aatttttaa tcccagattt gcagaaccca gcagctttca	aattgaaaga aagaatcaca tctcactttt tttgtatgat tggtaaattc ggtacaagtat gggcatgaag tggcgtctgg	5520 5580 5640 5700 5760 5820 5880 5940
accttetect agattegag tgatttate ttaaactgt tggatyatte atccaaaagg ggttttaccc <210> 256 <211> 2889 <212> DNA <213> Homo <2220> <220>	gactttgtcc tgaataattg accatgtagg gtttcatatt attttattca gaaaccactg cttgagttca gcctggttca cactcatctt	teacttgett gagtttgtet tettttaegt aaacceteta ttttattaga aaggtgetta cagctgtaea getttttec cagctggett	ctgcagtaca tgagaggcaa agcccaaatc tatcaaatgt tttattctaa ttaactgttc aatagtgtgg cagggccatg	ttggaacctg atatagcccc cataaattag tcatcatgat aatttttaa tcccagattt gcagaaccca gcagctttca	aattgaaaga aagaatcaca tctcactttt tttgtatgat tggtaaattc ggtacaagtat gggcatgaag tggcgtctgg	5520 5580 5640 5700 5760 5820 5880 5940
accttetect agattteat agtettect agattteat gtgatttate tttataet ttaaactgtg tggattatte acceanaagg ggttttaccc <210> 256 <211> 2889 <212> EMA <213> Homo <220> <220> Incyt <223> Incyt	gactttyttoc tygaataatty accatgtagg gtttcatatt attttattca gaaaccactg cttgagtta gcttgagtta gcctggttca cactcatctt sapiens feature	teacttgett gagtttgtet tettttaegt aaacceteta ttttattaga aaggtgetta cagctgtaea getttttec cagctggett	ctgcagtaca tgagaggcaa agcccaaatc tatcaaatgt tttattctaa ttaactgttc aatagtgtgg cagggccatg	ttggaacctg atatagcccc cataaattag tcatcatgat aatttttaa tcccagattt gcagaaccca gcagctttca	aattgaaaga aagaatcaca tctcactttt tttgtatgat tggtaaattc ggtacaagtat gggcatgaag tggcgtctgg	5520 5580 5640 5700 5760 5820 5880 5940
acottotoct agatttoca agatttoca agatttogagg tgtatttatc tttataact ttaaactgtg tggatgattc atccaaaagg ggtttacc <210> 256 <211> 2889 <212> DNA <213> Homo <220> <221> misc <2233 Incyl <400> 256	gactttgtoc tgaataattg accatgtagg gtttcatatt attttattca gaaaccactg cttgagttta gcctggttca cactcatctt sapiens feature te ID No: 99	teacttgett gagtttgtet tettttaegt aaacceteta ttttattaga aaggtgetta cagctgtaca getttttece cagctggett	ctgcagtaca tgagaggcaa agccaaatc tatcaaatt ttattctaa ttaactgtte aatagtgtg cagggccatg cttgatgtc	ttggaacctg atatagcccc catanattag tcatcatgat aattttttaa tcccagattt gcagaaccca gcagctttca tggaagagag	aattgaaaga aagaatcaca tctoactttt ttgtatgat tggtaaattc gtacaagta gggcatgaag tggcatgaag tggcgtotgg c	5520 5580 5580 5760 5760 5820 5880 5991
accttetect agattteat agtettect agatttegag tytatttate tttataet ttaaactgt tygattatte catecaaaag ggttttacc <210> 256 <211> 2889 <212> EMA <213> Homo <220> <220> <221> misc <223> Incyt <400> 256 ttggcagggg	gacttygtce tygataatty accatgtagg gtttcatatt attttattca gaaaaccatg ettygagttta gcctggttca cactcatctt sapiens feature te ID No: 9:	teacttgett gagtttgtet tettttaegt tettttaegt aaacceteta ttttattaga aaggtgetta cagctgtaca getttttec cagctggett	ctgcagtaca tgagaggcaa agcccaaatc tatcaaattt tttattctaa ttaactgttc aatagtttg cagggccatg cttgatgtcc	ttggaacctg atatagcccc cataaattag tcatcatgat aattttttaa tcccagattt gcagaaccca gcagcttcca tggaagagag	aattgaaaga aagaatcaca tctcactttt tttgtatgat tttgtatgat tggtaaattc ggcatgaag tggcatgaag tggcatgaag c acaggcccgc	5520 5580 55640 5700 5760 5820 5940 5991
accttetect agattteat agtettect agatttegag tgtatttate tttataet ttaaactgt tggatgatte edceaaaag ggttttacc <210 > 256 <211 > 2889 <212 > DNA <213 > Homo <2220 > <2211 misc <223 Incyl <400 > 256 ctgcaggcg cccggggcct	gactttgtoc tgaataattg accatgtagg gtttcatatt attttattca qaaaccactg cttgagttta gcctggttca cactcatctt saplens feature ce ID No: 9: togggacggt	teacttgett gagtttgtct tettttaegt taaacceteta tettattaga aaggtgetta cagctgtaca ggettttec cagctggett 97347.6 cgggcoggtc aaaccgcggg	ctgoagtaca tgagaggcaa agccaaatg tatcaaatg tttattctaa ttaactgttc aatagtgtg catggccatg cttgatgtcc	ttggaactg atatagccc cataaattag tcatcatgat aattttttaa tcccagattt gcagaacca tggaagaagag cttcatggaagagag	aattgaaaga aagaatcaca tctcactttt tttgtatgat tttgtattgat tggtaaattc ggcoatgaag tggcettgg c acaggccgg	5520 5580 5700 5760 5760 5820 5940 5991
acottotoct agatttogag tgtatttat tttatactttaaact ttaaactgt tggattatac atccaaaag ggttttacc <210> 256 <211> 288 <212> ENA <223> Incyt <400> 256 ctggcagggcc ccggggcct tggtcgcac cggggcct tggtcgcac	gacttygtce tygataatty accatgtagg gtttcatatt attttattca gaaaccatg catgagtta gcctggttca cactcatctt sapiens feature t ID No: 9: tcgggacggt gggcaactg gggccaactg	teacttgett gagtttgtct tettttacgt tettttacgt aaacceteta ttttattaga aaggtgetta cagctgtaca getttttec cagctggett 27347.6 cgggccggtc aaacgcgggg tcgatccgag	ctgoagtaca tgagaggcaa agccaaatc tatcaaatyt tttattctaa ttaactyttc aatagttgg cagggccatg cttgatgtcc	ttggaacctg tatatagcccc cataaattag tcatcatgat aattttttaa tcccagattt gcagattcat tggaagagag cttcccctcc gcggaatcag gagcagtcg	aattgaaaga aagaatcaca tctcactttt tttgtatgat tggtaaattc ggcatgaag tggcatgaag tggcatgaag c acaggcccgc gaactgccgc	5520 5580 5700 5760 5760 5820 5940 5991
accttetect agattteag gyatttate tttataactt ttaaactgt tggattate catcaaaag ggttttacc <210 > 256 <211 > 289 <212 > DMA <221 > MMO <221 > MMO <221 > MMO <220 > CO <221 > MSO <221 > MSO <221 > MSO <223 > Incyl <400 > 256 ctgcagcg gcctgggcct gggtccgcac aggactatg	gactttgtoc tgaataattg accatgtagg gtttcatatt attttattca qaaaccactg cttgagttta gcctggttca cactcatctt sapiens feature togggacggt tgggccaactg cgggcctgag ggcttctctt	teacttgett gagtttgtet tettttaegt tettttaegt taaacceteta ttttattaga aaggtgetta cagctgtaca getttttec cagctggett 27347.6 cgggcoggte aaaccgcggg tcgtcogag tcgtcogag ctgagctgtcg	ctgoagtaca tgagaggcaa agccaaatg tatcaaatg tttattctaa ttaactgttc aatagtgtg cttgatgtcc ccgcccqccc aggaggaag gcgttccag gcgtcccag	ttggaactg tatatagccc cataaattag tcatcatgat aattttttaa tcccagattt gcagaacca tggaagagag cttcacctcc gcggaatcag agagcagatg gagcagatg gagcagctg ggcaagag	aattgaaaga aagaatcaca tctcactttt tttgtatgat ttgtaaattc ggcaatgaag tggcatgaag c acaggccgc gaactggcg coctygggaa tcctgeagca	5520 5580 5700 5700 5760 5820 5940 5991 60 120 180 240
accttetect agattteag gyatttate tttataactt ttaaactgt tggattate catcaaaag ggttttacc <210 > 256 <211 > 289 <212 > DMA <221 > MMO <221 > MMO <221 > MMO <220 > CO <221 > MSO <221 > MSO <221 > MSO <223 > Incyl <400 > 256 ctgcagcg gcctgggcct gggtccgcac aggactatg	gactttgtoc tgaataattg accatgtagg gtttcatatt attttattca qaaaccactg cttgagttta gcctggttca cactcatctt sapiens feature togggacggt tgggccaactg cgggcctgag ggcttctctt	teacttgett gagtttgtet tettttaegt tettttaegt taaacceteta ttttattaga aaggtgetta cagctgtaca getttttec cagctggett 27347.6 cgggcoggte aaaccgcggg tcgtcogag tcgtcogag ctgagctgtcg	ctgoagtaca tgagaggcaa agccaaatg tatcaaatg tttattctaa ttaactgttc aatagtgtg cttgatgtcc ccgcccqccc aggaggaag gcgttccag gcgtcccag	ttggaactg tatatagccc cataaattag tcatcatgat aattttttaa tcccagattt gcagaacca tggaagagag cttcacctcc gcggaatcag agagcagatg gagcagatg gagcagctg ggcaagag	aattgaaaga aagaatcaca tctcactttt tttgtatgat ttgtaaattc ggcaatgaag tggcatgaag c acaggccgc gaactggcg coctygggaa tcctgeagca	5520 5580 5700 5700 5760 5820 5940 5991 60 120 180 240
acottotoct agatttogag tgtatttat tttatactttatactttatactttatactttatactgt tggattatto 2210 256 <211 289 <212 DNA <220 <223 Incy <400 256 ctggcagggcc cugggcct tggtcgaccagggccc aggcactatg attgatgatgat	gactttgtoc tgaataattg accatgtagg gtttcatatt attttattca gaaaccactg cotgagtta cactcatctt sapiens feature te ID No: 9: tcgggacggt gggccaactg gggccaactg gggtctatga gggtttctctt gcgggcttcactg gggctttctctt ggacggtt gcgcggttc	teacttgett gagtttgtet tettttaegt tettttaegt aaacceteta ttttattaga aaggtgetta cagctgtaca getttttect cagctggett gagttgett aaaccggggg tegatecgag tegatecgag tegatecgag tegatecgag tgtetctgg	ctgoagtaca tgagaggoaa agccaaatc tatcaaatgt tttattctaa ttaactgttc aatagtgtg cttgatgtcc ccgcccaccagaaggaagc ccgccccagaaggaagc agcccccag aggcacccag aggcaccaga	ttggaactg catatagcoc cataaattag tcatcatgat aattttttaa tcccagattt gcagaacca ctggaagagag cttcatcggaagagag ggagaagag agagagatga	aattgaaaga aatacaca tctcactttt tttgtatgat tttgtatgat tggtaaattc ggcatgaag tggcatgaag c c acaggcccgc gaactgccgc gaactgccgc ccgtgcggaa tcttgcagga	5520 5580 55640 5700 5760 57820 58880 5991 60 120 120 120 120 2300
accttetect agattteat agtetteat agattteat gyatttate tttatact ttatact tatatact tat	gactttgtoc tggataattg accatgtagg gtttcatatt attttattca gaaaccactg ccatgagttca cactcatctt sapiens feature I D No: 9: tcggacgg tcggcctgag gggcctcat gcgagcttgat gcgagcttgat gcgagattta gggttaattg gggttaat	teacttgett gagtttgtet tettttaegt tettttaegt aaacceteta ttttattaga aaggtgetta cagetgteca getttect cagetgget egggeeggte aaacegegg teggteegat gtettaetgg tettaetgg tettaetgg tettaetgg tettaetgg tettaetgg tetaetgg tetaetgg	etgoagtaca tgagaggoaa agcceaaatg tatcaaatgt tttattetaa taaatgttca actaggcatg ettgatgtcc ettgatgtcc ecgecegece aggaggaag ecgtcccag ggcatgaga agcceccag ggcatgaga teaccacatg	thggaacctg catalagccc cataaattag tcatcatgat aattttttaa tcccagattt gcagaattta tggaagagg cttcatcagagag ctccctcccccc gcggaatcag gagcagctgc ggccacgagg aagtggatga	aattgaaaga aatgaccaca tctoacttt tttgtatgat tttgtatgat tggtaaattc gyacatgaag tggcattgag acaggccgc gaactggcgc cctgcggaa tcctgcagca cccagcgggt acagtggggg	5520 5580 5580 5760 5760 5880 5880 5991 60 120 180 240 360
acottotoct agatttogag tgtatttatc tttataactttataactttataactttataactt ttaaactgtg tggattttaco <210> 256 <211> 2889 <212> MM <223> Incyi <400> 256 ctggcaggg ccggggcct aggtcgacacagg cagagagag cagagagag cagagagag cagagagag	gaettiytee tygataatty accatytagg gttteatatt attttattea gaaaccaty etgagactgtta gaetgetta sapiens feature e ID No: 9: tegggacggt tgggcactga ggcttetett ggggactga ggcttetett agggatatg aggatatg agcatagacg	teacttgett gagtttgtet tettttaegt tettttaegt taaacceteta ttttattaga aaggtgetta cagetgtaea getttttee cagetggett gagttget aaccegggg tegatecgae eggaetget getecgae eggaetget daacegggg tegatecgae eggaetget degaeetget degaeetget etgaeageetget etgaeageetget etgaeageetget	ctgcagtaca tggaggcaa agcccaaatc tatcaatgtt tttattctaa ttaactgttg cagggcatg cttgatgtcc ccgcccqccc agaggraatg qccgtccag qcgctcacag qsgccatcacag cagcccacatg catcaccatg catcaccatg	ttggaactg catatagcoc cataaattag tcatcatgat aatttttta acagattt gcagaacca ctggaagagag cttcatggaagagag gagaagagag tggaaccac gagaacaca gagaaccacacagag tcctgaagattg tcctggactg	aattgaaaga aatacaca tctcactttt tttgtatgat tttgtatgat tggtaaattc ggcatgaag tggcgtctgg c acaggcccgc gaactgccgc gaactgccgc ccgtgcggaa tcttgcagga tcctgcagga acagtgggga acagtggggg acagtggggga acgtgcgggaa	5520 5580 5700 5760 5880 5940 5991 60 120 120 120 240 300 420
accttetect agattteat agtattteat gyatttate tttataact ttaaactgt tgagtyatte atccaaaag gyttttacoc <210> 256 <211> 288 <212> EMA <213> Homo <222> <222> <400> 256 <tggcagacg aatgcagaa="" cagacactgag="" cagacatatg="" cagacgacga="" ccaaactgag="" ccaactgag="" ccaactgag<="" td=""><td>gactttytce tygataatty accatytagg gttteatatt attttattatattattattattattattattatt</td><td>teacttgett gagtttgtet tettttaegt tettttaegt aaacecteta ttttattaga settttete eagttgtet eagtgett eagtgett eagtgett eagetget eagetget eagetgetgetgetgetgetgetgetgetgetgetgetgetg</td><td>ctycaytaca tygasgycaa agcccaatc thatcaatty tttattctaa tttactytty cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy caycaccaar gygcatyaqa teaccaatgy cattgatytu</td><td>ttggaacctg cataagccc cataaattag tcatcatgat aattttttaa tcccagattt gcagaccta tggaagagag cttccctcc gcggaatcag gagcagcagagagagagagagagagagagagagaga</td><td>aattgaaaga aagaatcaca tetoacttt tttgtatgat ttgtaaattc gyacaatgag tggcatgaag tggcatgaag tggcatgaag cggaatgag tggcgc gaactggcgc cagactggcga tcctgaggga tcctgaggga agatcaccag agatcaccag</td><td>5520 5580 5760 5760 5880 5990 60 120 180 240 340 480</td></tggcagacg>	gactttytce tygataatty accatytagg gttteatatt attttattatattattattattattattattatt	teacttgett gagtttgtet tettttaegt tettttaegt aaacecteta ttttattaga settttete eagttgtet eagtgett eagtgett eagtgett eagetget eagetget eagetgetgetgetgetgetgetgetgetgetgetgetgetg	ctycaytaca tygasgycaa agcccaatc thatcaatty tttattctaa tttactytty cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy cttgatytuy caycaccaar gygcatyaqa teaccaatgy cattgatytu	ttggaacctg cataagccc cataaattag tcatcatgat aattttttaa tcccagattt gcagaccta tggaagagag cttccctcc gcggaatcag gagcagcagagagagagagagagagagagagagaga	aattgaaaga aagaatcaca tetoacttt tttgtatgat ttgtaaattc gyacaatgag tggcatgaag tggcatgaag tggcatgaag cggaatgag tggcgc gaactggcgc cagactggcga tcctgaggga tcctgaggga agatcaccag agatcaccag	5520 5580 5760 5760 5880 5990 60 120 180 240 340 480
acottotoct agatttoca agatttoca agatttoca gatttoca gatttoca gatttoca gatttoca gatttoca titatact tttatact tttaactgt tgagttatto catocaaaag ggttttaco callo 286 <2210 288 <2212 DNA -223 Homo <220 <220 - callo 256 ctgcagggcc ccgggcct cggtccgca cagggcctatg gattcagga caagattac caggagcactatg caagatgac caggagcactatg caagatgac cagagatgac c	gaettiytee tygataatty accatytagg gttteatatt attitattea gaaaccaty etgagaetg etgagaetg tegagaetg t	teacttgett gagtttgtet tettttaegt tettttaegt taaacceteta ttttattaga aaggtgetta cagetgtaea getttttec cagetggett gagttgete gagtgget gagtegae egggeggte aaacgegggg teggtecgae eggaetgte aaggtgetg teggtecgae eggaetgt tgagtecgae egggetgttgetge eggetgttgetge eggetgtgetgetgetgetgetgetgetgetgetgetget	ctgcagtaca tgagagcaa agcccaaatc tatcaatgtt tttattctaa ttaactgttg caggccatg cttgatgtcc cagagcagca cagcccaca gaggaaga cagcccacaag ggcagcacaag ggcagcacaag ggcagcacaag ggcacacaag	ttggaactg catatagcoc cataaattag tcatcatgat aatttttta scagaacta tggaagagag cttcatggaagagag gageagctgc gageacagag taggagtgt tcctggagatag tcctggagt tcctggagt gagagagtt tcctggagt ggctagggattcg ggctagagagattg tcctggagt	aattgaagga aattgaagta tctcactttt tttgtatgat tgttaaattc ggcatgaag tggcgtotgg c acaggcccgc gaactgcgcg cgtgcggaa tcttgcagga tcctgcagga acattggcgg acattggcgg acattggcgg acattggcgg acattggcgg acattggcgg acattggcgg acattggcgg	5520 5580 5760 5760 5820 5880 5991 60 120 120 120 3360 420 420 420 420 420 420
accttetect agattteat gyatttate tttataact ttataact ttataact ttatact ttatact ttatact ttatact 200 256 2211 2889 2212 DNA 2213 Homo 2202 2213 Incyl 4400 256 ctggaaggg ccgaagggcct aggtcacac agggact aggacagg ccaactgag ccaa	gacttigtce typataatty gactagtagg gtttcatatt attttattatatag gaccagttagg gectgtta sapiens _feature ee ID No: 9: tegggaeggt gggecatag gggecatag gggecatag gggecatag gecgagttegagttag gagagttag gecatagecg gggectag gecgagttag gecatagecg ggcagtagecg gagagtagecg gagagtagecg gagagtagecg gagagtagecg gagagtagecg gagagtagecg	teacttgett tettttaegt tettttaegt tettttaegt aaacecteta ttttattaga settttete eagetgete eagetgete eagetgete eagetgete aacegggg teggteegae egetgeteegae etcactgae etcactactgae etcactactgae etcactactgae etcactactactgae etcactactactactactactactactactactactactac	etgeagtaca tgagaggeaa agcecaaate tateaatgtt tttatteta tttaetgtte eatgegeatg ettgatgte ettgatgte ecgecegee agggeatg ggeagage ggeatgaga teaccaag gggaatgaga teaccaag gggaatgaga eatgeag gggaatgaga eatgeag aacggaaga eatgeag ggaagaaga eatgeag aacggaaga eaacgaaga eaacgaagaa	ttggaactg tataagccc cataaattag tcatcatgat aattttttaa tcccagattt gcagaacta tggaagagag cttccctcc gcggaatcag gagcagaactag tccctggaag tcctggaag tcctggaga tcctggagag tcctggaga	aattgaaaga aatacaca tetoacttt tttgtatgat tttgtaaattc gyacatgaag tggcatgaag tggcatgaag tggcatgaag tggcatgaag cgaattggcgc caaattgccgc gaactggccgc cacagggcga cacaggggga agatcaccag aactcagggg agatcaccag aactcaggga aactcacagg	5520 5580 5760 5760 5820 5880 5991 60 120 240 300 3420 480 600
accttetect agattteat gyatttate tttataact ttataact ttataact ttatact ttatact ttatact ttatact 200 256 2211 2889 2212 DNA 2213 Homo 2202 2213 Incyl 4400 256 ctggaaggg ccgaagggcct aggtcacac agggact aggacagg ccaactgag ccaa	gacttigtce typataatty gactagtagg gtttcatatt attttattatatag gaccagttag geotgetta sapiens _feature ee ID No: 9: tegggaeggt gggeotagt gggeotagt gggeotagt gggeotagt ggcagttg gacgagtt gaggagttg gacgagttag gaggagttag gaggagtag	teacttgett tettttaegt tettttaegt tettttaegt aaacecteta ttttattaga settttete eagetgete eagetgete eagetgete eagetgete aacegggg teggteegae egetgeteegae etcactgae etcactactgae etcactactgae etcactactgae etcactactactgae etcactactactactactactactactactactactactac	etgeagtaca tgagaggeaa agcecaaate tateaatgtt tttatteta tttaetgtte eatgegeatg ettgatgte ettgatgte ecgecegee agggeatg ggeatgaga ggeatgaga teaccaag ggeatgaga ggeatgaga agggaaga ggeagaga aacggaaga eatgagaga eatgagaga	ttggaactg catatagcoc cataaattag tcatcatgat aatttttta scagaacta tggaagagag cttcatggaagagag gageagctgc gageacagag taggagtgt tcctggagatag tcctggagt tcctggagt gagagagtt tcctggagt ggctagggattcg ggctagagagattg tcctggagt	aattgaaaga aatacaca tetoacttt tttgtatgat tttgtaaattc gyacatgaag tggcatgaag tggcatgaag tggcatgaag tggcatgaag cgaattggcgc caaattgccgc gaactggccgc cacagggcga cacaggggga agatcaccag aactcagggg agatcaccag aactcaggga aactcacagg	5520 5580 5760 5760 5820 5880 5991 60 120 240 300 3420 480 600

```
aggecageaa agacaaggac egtqacaaqq ecaaqqacaa gtatgtacge agectgtgga 720
agetetttge teaccacaac egetatgtge tgggegtgeg ggetgegeag etacaccace 780
agcaccacca ccagetectg etgeceggee tgetgeggte actgeaggae etgeacgagg 840
agatggettg catectgaag gagatectge aggaataect ggagattage ageetggtge 900 aggatgaggt ggtggeeatt caeegggaga tggetgeage tgetgeege atecageetg 960
aggetgagta ccaaggette etgegacagt atgggteege acetgacgte ccaecetgtg 1020
tcacgttcga tgagtcactg cttgaggagg gtgaaccgct ggagcctggg gagctccagc 1080
tgaacgagct gactgtggag agcgtgcagc acacgctgac ctcagtgaca gatgagctgg 1140
ctgtggccac cgagatggtg ttcaggeggc aggagatggt tacgcagctg caacaggagc 1200
tccggaatga agaggagaac acccacccc gggagcgggt gcagctgctg ggcaagaggc 1260
aagtgetgea agaageactg caggggetge aggtageget gtgeagecag gecaagetge 1320
aggoccagca ggagttgetg agaccaage tggagcacet gggccccgge gagccccgc 1380 ctgtuetget cettgaggat gaccgccact ccacgtegte eteggagga gagcgaagg 1440 ggggaggag acccacgetg gagatcetta agagcacat eteaggaate tteegccca 1500 ctgagaate ste
agtteteget cectecaceg etgeagetea ttecggaggt geagaagece etgeatgage 1560 agetgtggta ceaeggggee atecegagg eagaggtgge tgagetgetg gtgeaetetg 1620
gggaetteet ggtgeggag agecagggea ageaggagta egtgetgteg gtgetgtggg 1680
atggtetgee coggeactte atcatecagt cettggataa cetgtaccga etggaagggg 1740
aaggetttee tageatteet ttgeteateg accaectaet gageacecag eageecetea 1800 ecaagaagag tggtgttgte etgeacaggg etgtgeecaa ggacaagtgg gtgetgaace 1860
atgaggacet ggtgttgggt gagcagattg gacgggggaa etttggcgaa gtgttcageg 1920
gacgectgeg agecgacaac accetggtgg eggtgaagte ttgtegagag acgeteccae 1980
Ctyacetcaa ggccaagttt ctacaggaag cgaggatcet gaagcagtac agccacecca 2040 acategteg teteattggt gictogcacc agaagcagce catetacate gtcatggag 2100 ttytgcaggg ggcgacte ctyacates ctyacetca companyaggaggaggaggaggaggaggaggaggaggag
agactetget geagatggtg ggggatgeag etgetggeat ggagtacetg gagageaagt 2220
getgeateea eegggaeetg getgetegga aetgeetggt gacagagaag aatgteetga 2280
agaicagtga ettigggatg tecegagagg aageegatgg ggtetaigea geeteagggg 2340
geeteagaea agteecegtg aagtygaecg eacetgagge eettaaetac ggeegetaact 240g
eeteegaaag egacgigtgg ageitiggea teitgeteig gagaacette ageetggggg 2460
cctcccccta tcccaacctc agcaatcagc agacacggga gtttgtggag aaggggggcc 2520
gtctgcctg cccagagctg tgtcctgatg ccgtgttcag gctcatggag cagtgctggg 2580
cetatgagee tgggcagegg eccagettea geaceateta ccaggagetg cagageatee 2640
gaaageggea teggtgagge tgggaecee ttetcaaget ggtggeetet geaggeetag 2700
gtgeagetee teageggete eageteatat getgaeaget etteaeagte etggaeteet 2760
gccaccagca tccacactgc cggcaggatg cagcgccgtg tcctctctgt gtccctgctg 2820
etgecaggge tteetettee qqqcaqaaac aataaaacca ettqtqeeca etgaaaaaaa 2880
aaaaaaagg
<210> 257
<211> 1678
<212> DNA
<213> Homo sapiens
<2205
<221> misc_feature
<223> Incvte ID No: 222049.1
<400> 257
coggaaggeg aaggaegege gtteeeggge tegtgaeege cageggeeeg gggaaeeege 60
teccagacag acteggagag atggcaggeg gaagacaceg gegegtegtg ggcaccetec 120
acctgetget getggtggee geeetgeeet gggeateeag gggggteagt ecgagtgeet 180
cagectggcc agaggagaag aattaccacc agccagccat titgaattca teggetette 240
ggcaaattgc agaaggcacc agtatetetg aaatgtggca aaatgactta cagccattgc 300
tyatagagog atacceggga teceetggaa getatgetge tegteageae ateatgeage 360
gaatteagag getteagget gaetgggtet tygaaataga cacettettg agteagacae 420
ectatgggta eeggtettte teaaatatea teageaceet eaateceaet getaaacgae 480
atttggtet cgectgeae tatgaeteea agtattttte ceaetggaae aacagagtgt 540
ttgtaggage cactgattca geegtgeeat gtgeaatgat gttggaactt getegtgeet 600
tagacaagaa actootttoo ttaaagactg tttcagacto caagocagat ttgtcactoo 660 agotgatott otttgatggt gaagaggott ttottcactg gtotootcaa gattototot 720
atgggteteg acaettaget geaaagatgg categaceee geacecacet ggagegagag 780
gcaccagcca actgcatggc atggatttat tggtcttatt ggatttgatt ggagctccaa 840
acccaacgtt teceaatttt tttecaaact cagecaggtg gttegaaaga etteaageaa 900
ttgaacatga acttcatgaa ttgggtttgc tcaaggatca ctctttggag gggcggtatt 960
tccagaatta cagttatgga ggtgtgattc aggatgacca tattccattt ttaagaagag 1020
gtgttccagt tetgcatetg ataccgtete etttecetga agtetggcae accatggatg 1080
```

```
acaatgaaga aaatttggat gaatcaacca ttgacaatct aaacaaaatc ctacaagtct 1140
ttgtgttgga atatetteat ttgtaataet etgatttagt ttaggataat tggttetaga 1200
attgaattca aaagtcaagg catcatttaa aataatctga tttcagacaa atgctgtgtg 1260
gaaacateta teetatagat cateetatte ttatgtgtet ttggttatca gatcaattac 1320
agaataatto tottotoata ttototeeta aattoeteat taattittat ttacagatto 1380
aaaaagaggg accgtgtaaa gaaaatggaa aataaatatc tttcaaagac tcttttagat 1440
aaacacgatg aggcaaaatc aggttcattc attcaacgat agtttctaaa cagtacttaa 1500
atagoggttg gaaaacgtag cottoatttt atgatttttt catatgtgga aatctattac 1560
atgtaataca aaacaaacat gtagtttgaa ggeggteaga tttetttgag aaatetttgt 1620
agagttaatt ttatggaaat taaaatcaga attaaatgct aaaaaaaaa aaaaaaaa 1678
<210> 258
<211> 911
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 902659.8
<220>
<221> unsure
<222> 871
<223> a, t, c, g, or other
<400> 258
gtgtgcatgt gtatatatgt gtgtgtgcat gcatgtgtgt gtgcgcacgc atgtgtgtgt 60 gcatgtgtgt gtgtgtgctg aggcactggg agctggctct ccttctggca ggctctaaat 120
gagcagggcc acagacccac agtccagccc catggggctc tgcaggccta gaggtagagg 180
geotgetaga aacagaagge taaacaaaag getggeetge teacceteae eggagteeet 240
cttectagga aaactgeett atttggaaga caaaagetea tttgttgtet catececace 300
caggagagaa ggggccactc cccgaagatt cctcttgttt ccacatagag attcctcacc 360
tggtacatag catatattgg getittättt gateateaet geteaettta agageagget 420 ttegatetgt gageegggg agtatgeaec atgageaaag eteaecetee egagetgaaa 480
aaatttatgg acaagaagtt atcattgaaa ttaaatggtg gcagacatgt ccaaggaata 540
ttgeggggat ttgatecett tatgaacett gtgatagatg aatgtgtgga aatggegaet 600
agiggacaac agaacaatat tggaatggtg gtaatatgag gaaatagtat catcatgtta 660
gaagocttgg aatgagtata aataatggct ggtcagcaga gaaacccatg ctotoctoc 720
ataggtcctg ttttactatg atgtaaaaat taggtcatgt acatttcat attagactt 780
ttqttaaata aacttttqta ataqtcaaaa atgctttctc agatqttctq aatataqaat 840
atcagetete attecagitt tittetaaca ngaattitee togtigacat tgatticaaa 900
gggttttatg c
<210> 259
<211> 2716
<212> DNA
<213> Homo sapiens
<221> misc_feature
<223> Incyte ID No: 2508261
~22N>
<221> unsure
<222> 966
<223> a, t, c, g, or other
<400> 259
ggeaatagea gaataggage aageeageac tagteageta actaagtgac teaaceaagg 60
cettttttee ttgttatett tgeagatact teattttett agegtttetg gagattacaa 120
catectgcgg tteegtttet gggaaettta etgatttate teccecetca cacaaataag 180
cattgattcc tgcatttctq aagatctcaa gatctggact actgttgaaa aaatttccag 240
tgaggetcae ttatgtetgt aaagatggga aaaaaataca agaacattgt tetactaaaa 300
ggattagagg teateaatga ttateatttt agaatggtta agteettaet gageaaegat 360
ttaaaactta atttaaanat gagagaagag tatgacaana ttcagattgc tgacttgatg 420
gaagaaaagt tecgaggtga tgetggtttg ggeaaactaa taaaaatttt cgaagatata 440
ccaacgcttg aagacetggc tgaaactett aaaaaagaca agttaaaagt aaaggaca 540
```

```
gccctatcaa gaaagaggaa gaaggaagtq qatgctactt cacctgcacc ctccacaagc 600
agcactgtca aaactgaagg agcagaggca actcctggag ctcagaaccc gaaaacagtg 660
gccaaatgtc aggtaactcc cagaagaaat gttctccaaa aacgcccagt gatagtgaag 720
gtactgagta caacaagce atttgaatat gagaccccag aaatggagaa aaaaataatg 780
tttcatgcta cagtggctac acagacacag ttcttccatg tgaaggtttt aaacaccage 840
ttgaaggaga aattcaatgg aaagaaaatc atcatcatat cagattattt ggaatatgat 900
agtetectag aggteaatga agaatetaet gtatetgaag etggteetaa ecaaaegttt 960
gagggnteca aataaaatca tcaacagagc aaaggaaact ctgaagattg atattettea 1020
caaacaaget teaggaaata ttgtatatgg ggtatttatg etacataaga aaacagtaaa 1080
tcagaagace acaatctacg aaattcagga tgatagagga aaaatggatg tagtggggac 1140
aggacaatgt cacaatatcc cctgtgaaga aggagataag ctccaacttt tctgctttcg 1200
acttagaaaa aagaaccaga tgtcaaaact gatttcagaa atgcatagtt ttatccagat 1260
aaagaaaaaa acaaacega gaaacaatga ceecaagage atgaagetac eecagggaac 1320
agagtcaget tecaaateet teagaggeea geacaacett eeetgagage catettegga 1380
ctcctcagat gccaccaaca actccatcca gcagtttctt caccaagaaa agtgaagaca 1440
caatetecaa aatgaatgae tteatgagga tgeagataet gaaggaaggg agteatttte 1500 caggaeegtt catgaeeage ataggeeeag etgagageea teeecacaet ceteagatge 1560
ctccatcaac accaagcagc agtttcttaa ccacggtaca aaaaagtgaa gacacaatct 1620
ccaaaatgaa tgacttcatg aggatgcaga tactgaagga agggagtcat tttccaggac 1680
cgttcatgac cagcataggc ccagctgaga gccatcccca cactcctcag atgcctccat 1740 caacaccaag cagcagtttc ttaaccacgt tgaaaccaag actgaagact gaacctgaag 1800
aagtttccat agaagacagt gcccagagtg acctcaaaga agtgatggtg ctgaacgcaa 1860
cagaatcatt tgtatatgag cccaaagagc agaagaaaat gtttcatgcc acagtggcaa 1920
ctgagaatga agtetteega gtgaaggttt ttaatattga cetaaaggag aagtteacce 1980
caaagaagat cattgccata gcaaattatg tttgccgcaa tgggttcctg gaggtatatc 2040
ctttcacact tgtggctgat gtgaatgctg accgaaacat ggagatccca aaaggattga 2100
ttagaagtgc cagegtaact cctaaaatca atcagetttg ctcacaaact aaaggaagtt 2160
ttgtgaatgg ggtgtttgag gtacataaga aaaatgtaag gggtgaattc acttattatg 2220
aaatacaaga taatacaggg aagatggaag tggtggtgca tggacgactg accacaatca 2280
actgtgagga aggagataaa ctgaaactca cctgctttga attggcaccg aaaagtggga 2340
ataccgggga gttgagatet gtaatteata gteacateaa ggteateaag accaggaaaa 2400 acaagaaaga catacteaat cetgatteaa gtatggaaac tteaccagac tttttette 2460
aaaatctgga tgtcattgac gataatgttt atggagataa ggtctaagtg cctaaaaaa 2520
totacatata cetoottoaa atacaacaet atacatacae accaecatat atactaceto 2580
ttaatectat ggaatggggt attgggagtg ettttttaat tttteatagt tttttttaa 2640
taaaatggca tattttgcat ctacaacttc tataatttga aaaaataaat aaacattatc 2700
ttttttgtga aaaaaa
<210> 260
<211> 2882
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 232945.12
gaatteggge agattagace etggteetae actettagee getgeetget tttgacettt 60
ggeteatggg tacttgacgt titaaactee taggeecagg atgaggagga gettggetee 120
cagecagety gecaagagaa aacetgaagg caggteetgt gatgatgaag aetggeaace 180
togectagtg actectagga aacggaaate cagcagtgag acccagatee aggagtgttt 240
cotgtotcot tttoggaaac ctttgagtca gctaaccaat caaccacctt gtotggacag 300
cagteageat quageattta ttequageat tttgtcaaag cetttcaaag tececattee 360
azattatcaa ggteetetgg getetegage attgggeetg aaaagggetg gggteegeeg 420
ggccctccat gacccctqq aaaaaqatgc cttggttctg tatgagcctc ccccgctgag 480
cgeteatgae cagetgaage ttgacaagga gaaacteeet gteeatgtgg ttgttgaece 540
tatteteagt aaggtittge ggeeteatea gagagaggga gtgaaattee tgtgggagtg 600
tgtcaccagt cggcgcatcc ctggcagcca tggctgcatc atggctgatg agatgggcct 660
aggaaagacg ctgcagtgca tcacattgat gtggacactt ttacgccaga gtccagagtg 720
caagecagaa attgacaagg cagtggtggt gtegeettee agectggtga agaactggta 780
caatgaggtt gggaaatggc teggagggag gateeaacet etggecateg atggaggate 840
taaggatgaa atagaccaaa agetggaagg atteatgaac cagggtggag ccagggtgte 900
tteteccate eteateattt cetatgagae etteegeett catgttggag teetecagaa 960
aggaagtgtt ggtctggtca tatgtgacga gggacacagg ctcaagaact ctgagaatca 1020
gacttaccaa gccctggaca gcttgaacac cagccggcgg gtgctcatct ccggaactcc 1080 catccagaat gatctgcttg agtatttcag cttggtacat tttgttaatt ccggcatcct 1140
```

agggactgcc catyas tgotgctagt qagges tgtgaataga tgotgt tetgagacaa gceaas tctteccatc acctc tcttgagacaa gceaas tctteccatc acctc tgtggaagac gaggat tcttctcatc gagccc gaccgaagc cgtagc tctctttaga gagget tctctttaga gagct tctctttaga gagct tctctttaga gagct tctctttaga gagct tctctttaga gagct tctgctaga tttga tctgctaga tttga tctgctaga tcttga tcggaagaa tcttc tcggagaaga tctct tcgctagaac cctccactc tcgctagaac cctccactc tcgctagaac tctgctagaac tctgctagaac tctgctagaac tctgctagaac tctgctagaac tctgctagaac tctgctagaac tctgctagac tctgctagac tctgctagaac tctctaccaaaaaa agtttt	ngaca ggcagctagg ngatac gggagatte tgtt gtagggatte tettt gtagggtgate tecogg cagaagaatt gctaa agaagattt gctaa agaagattt tgtaggta tgttaggta tgtaggta tgtgca aggttgtagg tagca aggttgtag tagca aggttgtag tagca aggttgtag tagca aggttgtag tagca aggttgtag tagca taggt gacacagg tgtaggac tagag tgtagac tagg tgtagac tagg tgtagac tgac t	agagagacgg tgatatectt acccetteag gettgagge taateateca tagagget tagagget tagagget getggtge gtacttatac agcgatggte gtacttatac tagcaatgat tatetacage cagaaagge tatetacage cagaagge tatetacage cagaatgge tatetacage tagagtag tatetacag tagagtag tagaggaag gaaaaactt tagaggaag gaaaaactt tagaggagg gaaaaactt tagaggagg accactgtaa ctttagaggaa accactgtaa caaacccttt	ctgoggagge tcteaatat tctaaatat tcteaatat tteectect ctggattata aatteaatec gtagecatga aatteatga ctgagecag ctgagecag ctgagecag ctgagecag ctgagecag ctgagecag ctgagecag ctgagecag ctgagecag ctgagecag ctgagecag ctgagecag ctgagecag cagutta teaagacag cagutta catutta catu	teaccagoat tgcetyfyaa acaagaggtt tgtettecct atgataagtg tttacagct ttetggoggt atggcaegat tggcetaaccg tggctaaccg tgttatagtg tggttaagagacag tggttagagacag tggttagagacag tggttaagag tgggataccg tgttagaga tgggatetaaca geagggtga tgggateta agaagggct aaagagggct aaagaggct aaagaaggcc ccaggggca cctgggttagaagagag tgggatetggaagaggg tggaagcetc aaaggggct aaaaagaata cagagggtt aaaaagaat cctgggtt gettettec tetttttt	1260 1320 1320 1440 1500 1620 1680 1680 1860 2040 2160 2210 2210 2340 2400 22580 2400 2580 2700 2700 2700 2722 2722
<210> 261 <211> 1335 <212> DNA <213> Homo sapier	ns				
<220> <221> misc_featu <223> Incyte ID 1					
<400> 261 gtogcaacgo ggogot cagigctago agagto cgatogctet gaggot gtaacgagot tigtagogot tigtagogot tigtagogot ctocaagaag tigtagogot cetaagaag tigtagogot cetaagaag tigtagogot cetaagaag tigtagogot cetaagaag titcagaata tigaagaag caagtigaag caagtigaag aactigagaag caagtigaag aactigagaag tittagagaag caagtigaag aactigagaag tittagagaag tittagagaag caagtigaag aactigagaag caagtigaag caagtigaag aactaagtiac cottagagaag cottagagaag titttagagaag aactaagto titttagagaag caagtigaag aactaagto titttagagaag titttagagaag titttagagaag aactaaagto titttagagaag aactaaagto titttagagaagaag titttagagaagaag aactaaagto titttagagaagaagaagaagaagaagaagaagaagaagaag	ngtog ttgtettete tecty aagcogaaa cocat cogcocoat gagag cacteaagg cottog aagcatgg cutog aagcatgg cutog aagcatgg cutog aagcatgg gata cettgggog ggata cettgggog gata cettgggog gata cettgggog gata cettggg gatagatg gaaa ggat gaagaagat aagat gatetaaa gaat gatetaaga tagt caaatagtaa tagt cettaaga ttgg ttaagaatga t	aggitciage cagctagact gttegaggeg ceteateaac ctegtecac ctegtecac cgeggegat tagtattiga ctggtgaat catgtgaaaa aattgtaaa aattgtaaa aattgtaaa ttgcaaa ttgcaaa ttgcaaa ttgcaaa ttgtgaatt tgcagatat ttgaagatt tagagttta ttgaagatt tagagttta diattgttt aaagtcaaa ttgttta aattgtttt	oggtogtogc ttoctoctto ogoctygtoc gagoctget gtototttgg aacotgeca agagatatca agaaccaaac acaacttgg tgcacgtata agacggagty gacaagtaa actaactttt gggacactta gggacactta cttaaaattc tactgaagtc tctgtaaata gtcagatcty tataatacaa	gacgttegce cegectgect agggatattag gggatattag tgeageteae ttacactaag caggagaaag attecagaac tgecgagate gaattaggt gactgagta gaattagtet aattettetg aaatatetet aagaaaataa ttetetgtea agtatgtetg tgettagtta agtatgtetg agtatgtetg	120 180 300 360 420 660 780 900 1020 1080 1140 1260

<210> 262 <211> 531

```
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 255750.1
~400× 262
cgcacaaacg gaaagagcgg gcgcggtgcg caggggcggg cgcccagcgg gcttggcatg 60
egegeeeeeg eeegaggeta taaaageate gecacetget gecactagee aageegegeg 120
tecagttget tggagaagec egtteacege etecagetge tgeteteete gacatggace 180
etgagacetg eccetgeest tetggtgget cetggacetg egeggaetee tgcaagtgeg 240
agggatgcaa atgeacetec tgcaaqaaga gctgetgete etgctgeeet geggagtgtg 300
agaagtgtge caaggactgt gtgtgeaaag geggagagge agetgaggea gaagcagaga 360
agtgeagetg etgecagtga gaaggeacce etcegtgtgg ageacgtgga gatagtgeca 420
ggtggeteag tgccacctat gcetgtggtg aagtgtgget ggtgteeeet teceetgetg 480
acettogago aatoacaata aateccatoa acagcaaaaa aaaaaaaaag o
<210> 263
<211> 1095
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 988231.7
<400> 263
ccccaaaccc gcacagagca ggactgcagc ctgaggaaag agcaaggatt tcaggagaga 60
ggcctgcgac aagtgaggtg agggcttttg ggggattgtc ctggcgcctg gagtgtgggg 120
geetggeagg ggeeetgaae ggggaeagtg aggteetgta ettgetggee tggggtggae 180
agaacccaag cetgggtaaa atccccaggg ccccctaaac ccaacactta ggaagtcact 240 agtcctgact tgagtttctg atgaggaagc ctctctcctt agccttcagc ctttcctccc 300
accetgecat aaagtaattt gateetcaag aagttaaacc acacetcatt ggteectggc 360
taattcacca atttacaaac agcaggaaat agaaacttaa gagaaataca cacttctgag 420
aaactgaaac gacaggggaa aggaggtete actgagcacc gteccagcat ceggacacca 480
cagoggooot togotocacg cagaaaacca cacttotoaa accttoacte aacacttoct 540
tececaaage cagaagatge acaaggagga acatgaggtg getgtgetgg gggcaccece 600 cagcaccate ettecaaggt ecacegtgat caacatecae agegagaect eegtgeeega 660
ccatgtcgtc tggtccctgt tcaacaccct cttcttgaac tggtgctgtc tgggcttcat 720
agcattogoc tactoogtga agtotaggga caggaagatg gttggcgacg tgaccggggc 780
ceaggectat gestecaceg ceaagtgeet gaacatetgg geoetgatte tgggcateet 840 eggatacatet ggatteatege tytaetggt atteggette tggacagtet accatattat 900 gttaeaggata ataeagggaaa aaeggggtta etagtageeg ceaatageet geaacetttg 950
cactecacty tycaatgety geeetgeacy etggggetyt tycecetyce ceettygtee 1020
tgcccctaga tacagcagtt tatacccaca cacctgtcta cagtgtcatt caataaagtg 1080
cacqtqcttq tqaaa
<210> 264
<211> 695
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incvte ID No: 444902.6
<400> 264
ggaaaaggaa actgttgaga aaccgaaact actggggaaa gggagggete actgagaace 60
ateccagtaa ecegacegee getggtette getggacace atgaateaca etgtecaaac 120
cttettetet cetgteaaca gtggceagee ceccaactat gagatgetea aggaggagea 180
cgaggtgget gtgetggggg egececacaa ecetgeteee eegacgteea eegtgateea 240
cateograge gagacetecg tgeeegacea tgtegtetgg teeetgttea acaecetett 300
catgaacccc tgctgcctgg gcttcatagc attcgcctac tccgtgaagt ctagggacag 360
gaagatggtt ggegaegtga eeggggeeea ggeetatgee teeacegeea agtgeetgaa 420
eatectaat gaeeattetg geatectaat gaeeattetg tetategtea teecagtget 480
gatetteeag geetatggat agateaggag geateaetga ggeeaggage tetgeeeatg 540
```

```
acctgtatec cacgtactec aacttecatt cetegeeetg ceceggage cgagteetgt 600
atcagecett tateeteaca egetttteta caatggcatt caataaagtg caegtgttte 660
tggaaaataa aaaaaaaaa agggcggtcg ccgat
<210> 265
<211> 1924
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 407546.8
<220>
<221> unsure
<222> 1507, 1509, 1515
<223> a, t, c, g, or other
<400> 265
teegteegta etgeagagee getgeeggag ggtegtttta aagggeeege gegttgeege 60
ecceteggee egecatgetg ctateegtge egetgetget eggeeteete ggeetgeeg 120
tegeegagee tgeegtetae tteaaggage agtttetgga eggaagggg tggaettee 180
getggatega atecaaacae aagteagatt ttgeaaatt egtteteagt teeggeaagt 240
tetaeggtga egaggagaa gataaaggtt tgeagaeaag eeaggatgea egettttatg 300
ctctgtcggc cagtttcgag cctttcagca acaaaggcca gacgctggtg gtgcagttca 360
cggtgaaaca tgagcagaac atcgactgtg ggggcggcta tgtgaagctg tttcctaata 420
gtttggacca gacagacatg cacggagact cagaatacaa catcatgttt ggtcccgaca 480
tetgtggeee tggcaccaag aaggtteatg teatetteaa etacaaggge aagaaegtge 540
tgatcaacaa ggacatccgt tgcaaggatg atgagtttac acacctgtac acactgattg 600
tgcggccaga caacacctat gaggtgaaga ttgacaacag ccaggtggag tccggctcct 660
tggaagacga ttgggacttc ctgccacca agaagataaa ggatcctgat gcttcaaaac 720
tyyangacya tyyyactuc cyboactoa ajaajatataa yautocyaa gottoaaaat 720
ogyaagacya gyatyagogy gocaajatog atyatocaa ajactocaag ottyaagast 780
gygacaagoc ogaqaatato cytaacoty atyotaagaa gocyagyaa tyggatyaag 840
agatygacyg agaytygyaa coccastya theagaacoc tgaytacaag gytagyagyag 90
agecceggea gategacaac ecagattaca agggeacttg gatecaccca gaaattgaca 960
acceptanta tectocogat occaptatet atgoctatga taactttgge gtgetggge 1020
tggacetetg geaggteaag tetggeacea tetttgacaa ettecteate accaacgatg 1080
aggcatacgc tgaggagttt ggcaacgaga cgtggggcgt aacaaaggca gcagagaaac 1140
aaatgaagga caaacaggac gaggagcaga ggcttaagga ggaggaagaa gacaagaaac 1200
gcaaagagga ggaggaggca gaggacaagg aggatgatga ggacaaagat gaggatgagg 1260
aggatgagga ggacaaggag gaagatgagg aggaagatgt ccccggccag gccaaggacg 1320
agetgtagag aggeetgeet ceagggetgg actgaggeet gagegeteet geegeagage 1380/
tigeegegee aaataatgte tetgigagae tegagaactt teattittit ceaggeiggt 1440
teggattigg ggtggattit ggttitgtte cectecteca etetececea cecectecec 1500 gecettnint titinititt tiaaactggt attitatett tgattetect teagecetea 1560
cccctggttc tcatctttct tgatcaacat cttttcttgc ctctgtcccc ttctctcatc 1620
tettagete octocaacet ggggggcagt ggtetggaga agccacagge etgagattte 1680 atetgetete ettectgga eccagaggag ggcagaa gggggtgtg tetccaacce 1740 ccagcactg aggaagaag gggetette cattcacce etcocttet coctgecce 1800 caggactgg occactectgg gtgggetete teattcacce etcocttet coctgecce 1800 caggactggg ccactctgg gtggggetgg gggtcocaga ttggetcaca etgagaatgg 1860
acaa
<210> 266
<211> 4537
<212> DNA
<213> Homo sapiens
<221> misc feature
<223> Incyte ID No: 346511.4
<220>
<221> unsure
<222> 2849-2944
<223> a, t, c, g, or other.
```

<400> 266 eggeagecag etgagageaa tgggaaatgg ggagteecag etgteetegg tgeetgetea 60 gaagetgggt tggtttatee aggaatacet gaageeetae gaagaatgte agacaetgat 120 egaeggagig gtgaacacea tetgtgaegt eetgeaggaa eeggaacagt tececetggt 180 gcagggagtg gccataggtg gctcctatgg acggaaaaca gtcttaaqaq gcaactccga 240 tggtaccett gteetettet teagtgaett aaaacaatte caggateaga agagaageea 300 tigitacecti (tectetett tagitjacti aaatavante vanjatusaja agajaagusa su aegitjacate etegataasa etigiggistaa getigaagite igtetita egaagitgit 136 gaasaacaat tirgagatee ajaagteeet tigatiggite aceateeagi tigteaeaaa 420 aaateagaga aleteitteg aggitjetigge egeetteaae getetaget taaatgataa 480 teccarcee toratetate garageteaa aarateetto gataagacaa atgccartee 540 tggtgagttt geagtetget teactgaact eeagcagaag ttttttgaca accgtectgg 600 aaaactaaag gatttgatcc tettgataaa geactggcat caacagtgcc agaaaaaaat 660 caaggattta coctegetgt etcegtatge ectgggagetg ettaeggtgt atgeetggga 720 acatggggtge agaaagaca attttgacat tyetgaagge gtoagaacog tactggaget 780 gatcaaatge caggagaage tytgtateta ttggatggte aactacaact ttgaagatga 840 gaccatcagg aacatcetge tgcaccaget ccaatcageg aggccagtaa tettggatec 900 agttgaccca accaataatg tgagtggaga taaaatatgc tggcaatggc tgaaaaaaga 960 agetoaaace tggttgaett eteceaacet gggataatga gttacetgea coatettgga 1020 atgttetgee tgeaceacte tteaegaece caggecacet tetggataag tteatcaagg 1080 agttteteca geccaacaaa tgetteetag ageagattga cagtgetgtt aacateatee 1140 gtacatteet taaagaaaae tgetteegae aateaacage caagateeag attgteeggg 1200 gaggateaae egecaaagge acagetetga agaetggete tgatgeegat etegtegtgt 1260 tocataacto acttaaaago tacaceteec aaaaaaaga geggeacaaa ategteaagg 1320 aaaceatga acagetgaaa geettitigga gigagaaaga gigaggaett gaagteaget 1380 tigageetee caagtigaag geteecaggg tigetgagett eteletgaaa tocaaagtee 1480 tcaacgaaag tgtcagcttt gatgtgcttc ctgcctttaa tgcactgggt cagctgagtt 1500 ctagatocac accagacet gagyttata gagyateat tyaketyat aaatecegg 1500 accteeggg aggagagttt tetacetytt teacagteet geaggagaac tteattegg 1500 accteeggg aggagagttt tetacetytt teacagteet geaggagaac ttaatteggt 1600 acceggeeca eaaactaaag gatttaatte geetggtgaa geactggtae aaaggagtytg 1600 aaaggaaact gaayceaaag gggtettye eeccaaagta tyeettggag etgeteaca 1740 tctatgcctg ggagcagggg agtggagtgc cggattttga cactgcagaa ggtttccgga 1800 cagtectgga getggteaca caatateage agetetgeat ettetggaag gteaattaca 1860 actttgaaga tgagaccgtg aggaagtttc tactgagcca gttgcagaaa accaggcctg 1920 tgatcttgga cccagccgaa cccacaggtg acgtgggtgg aggggaccgt tggtgttggc 1980 atcttctggc aaaagaagca aaggaatggt tatcctctcc ctgcttcaag gatgggactg 2040 gaaacccaat accaccttgg aaagtgccgg taaaagtcat ctaaaggagg cgttgtctgg 2100 agatageeet gtageagget tgagteaaag agetteteet actgtageag cetgagatta 2160 acteagacac aaataaagga aacceagete acaggagett aaacagetgg teagececet 2220 aageececac tacaagtgat octaaggeag gtaacceag atteatgoac tgtaaggigtge 2280 tgegeageat cectagtete tacceagtag atgeacatag coctectete ceagtgacaa 230 ccaaaagtet teagacattg teaaacgtte ceetgggtte acagatettt etgeetttgg 2400 cttttggete caccetettt agetgttaat ttgagtaett atggecetga aageggeeae 2460 ggtgcctcca gatggcaggt ttgcaatcca agcaggaaga aggaaagat acccaaaggt 2520 caagaacaca gtgattttat tagaagtttc atccgcaaat tttcttccat ttcattgctc 2580 agaaatgtca tgtggttacc tgtaacttga aggtggctac aaagatgact gtggacgtgg 2640 gttgcactgg ccacccaagg atgtctgcca cacctctcca aagccctccc tacctaccaa 2700 gatatacetg atatatteca ceaggatate etecetecag atatacttgg ttetetecae 2760 caggitetti etttaaagea ggatteteaa etttgataet taeteacatt gggetagaea 2820 gttetttgtt tggaggetet ettgtgeann nnnnnnnnn nnnnnnnnn nnnnnnnnn 2880 nmmccctag gtgagaaccc ttgcactaga ggaaccctac accccaaccc tggggggaat 3000 gtagggaaga ggtggccaag ccaaccgtgg ggttagctct aattattaag atatgcatta 3060 taaataaata ccaaaaaatt gtototggca atagttacot toccagatac aggtococcc 3120 ttttttcccc taactotttt aagcaatgat tgtaactatt aggagacatt gototoccac 3180 gtatgttttt ctttttagac aatgcagaca ccaggaagtt gtggagctag gatccatcct 3240 attgtcaatg agatgttctc atccagaagc catagaatcc tgaataataa attctaaaaga 3300 aacttetgga gateatetgg caategettt taaagacteg geteacegtg agaaagagte 3360 acteacatee attetteeet tgatggteee tatteeteet teeettgett ettggactte 3420 ttgaaatoaa toaagactgo aaacocttto ataaagtott goottgotga actocotete 3480 tgoaggoago otgootttaa aaatagttgo tgoatocaa titatgtgoa tottatttet 3540 gtoaacttgt attittitte ttgtatttit coaattagot octocittit octtocagte 350 taaaaaagga atcetetgtg tetteaaage aaagetettt aettteeeet tggtteteat 3660 aactetgtga tattgetete ggtgetteea acteateeac gteetgtetg titeetetgt 3720 atacaaaacc etttetgeee etgetgacac agacateete tatgecagea gecagecaac 3780 cettteatta gaaetteaag eteteeaaag geteagatta taaatgitigt eatattiata 3840 tgaggestit gitettiteet tetgageettg cettteteee eecaceagg agtateetet 3900 tgecaaatea aaaqaettit teettigget tiageettaa agataetiga aggieteaggi 3960

```
getttaacet cacataceet caettaaact tttatcactg ttgcatatac cagttgtgat 4020
acaataaaga atgtatetgg attttgtgcc tagtteetag cacacagett caaaaattet 4080
agagttteet gataggagtg tettitgtat teataacaag coettiteac ceatgeetgg 4140
gtttatgeta acaaggttac ceatggtgg coettagttt caaggaagga gttggcaag 200
coagaaagac caagcatgtg gttaaaggat tggaatttte ageceatec eaceceaat 2260
etceaaggag
caatgctgcc tatgtaaaga aaccccaata aaaactctgg acagtgaggc ttggggagct 4380
tectgattgg cagacattec aatgtactag gaaggtageg catettgatt ccacagggac 4440
aaaggeteet gagetetggg ecetteeagt gettgecaee etacataete titgtetgge 4500 tetteattig tattetitat aataaaatgg tgattgt 4537
<210> 267
<211> 3199
<212> DNA
<213> Homo sapiens
<221> misc_feature
<223> Incyte ID No: 346511.5
<400> 267
gttteetgge tetgggeage ageaagaatt cetetgeete ecateetace atteactgte 60
ttgccggcag ccagctgaga gcaatgggaa atggggagtc ccagctgtcc tcggtgcctg 120
ctcagaaget gggttggttt atccaggaat acctgaagec ctacgaagaa tgtcagacac 180
tgatcgacga gatggtgaac accatctgtg acgtcctgca ggaacccgaa cagttccccc 240 tggtgcaggg agtggccata ggtggctcct atggacggaa aacagtctta agaggcaact 300 ccgatggtac ccttgtcctc ttcttcacgg acttacacga cagaagagaa 360
gccaacgtga catectegat aaaactgggg ataagetgaa gttetgtetg tteacgaagt 420
ggttgaaaaa caatttcgag atccagaagt cccttgatgg gttcaccatc caggtgttca 480
caaaaaatca gagaatctot ttogaggtgo tggccgoctt caacgctotg agottaaatg 540
ataatcccag ccctggatc tatcgagagc tcaaaagatc cttggataag acaaatgcca 600
gteetggtga gtttgeagte tgetteaetg aacteeagea gaagtttttt gacaaccgtc 660
ctggaaaact aaaggatttg atcetettga taaagcactg gcatcaacag tgecagaaaa 720
aaatcaagga tttacceteg etgteteegt atgeeetgga getgettaeg gtgtatgeet 780
gggaacaggg gtgcagaaaa gacaactttg acattgctga aggcgtcaga accgtactgg 840
agetgateaa atgeeaggag aagetgtgta tetattggat ggteaactae aactttgaag 900
atgagaccat caggaacatc ctgctgcacc agetccaatc agegaggcca gtaatettgg 960
atccarttga cccaaccaat aatgtgagtg gagataaaat atgctggcaa tggctgaaaa 1020
aagaagetea aacetggttg actteteeca acetggataa tgagttacet geaceatett 1080
ggaatgttet geetgeacea etetteacga ecceaggeea cettetggat aagtteatea 1140
aggagtttet ccageccaae aaatgettee tagageagat tgacagtget gttaacatea 1200
trogtacatt cettaaagaa aactgettee gacaatcaac agecaagate cagattgtee 1260
ggggaggate aaccgccaaa ggcacagete tgaagactgg ctctgatgcc gatetegteg 1320
tgttccataa ctcacttaaa agctacacct cccaaaaaaa cgagcggcac aaaatcgtca 1380
aggaaatcca tgaacagctg aaagcetttt ggagggagaa ggaggaggag ettgaagtca 1440
getttgagee teccaagtgg aaggeteeca gggtgetgag ettetetetg aaatccaaag 1500
tectcaacga aagtgteage titgatgtge ticctgeett taatgeactg ggteagetga 1560
gttetggete cacacecage ecegaggttt atgeaggget cattgatetg tataaateet 1620
guecuguet aggacquag tittetacot gitteaugag eatigateg talaateet 1620
ogicocoggo caccanacta aggattia ttogoctgi gaagcactg tacaaqqat
figaaqgga actgaagca aagggtett ttogoctgi gaagcactg tacaaqqat 1740
gitgaaqgga actgaagca aaggg
ccatctatgc ctgggagcag gggagtggag tgccggattt tgacactgca gaaggtttcc 1860
ggacagteet ggagetggte acacaatate ageagetetg catettetgg aaggteaatt 1920
syavayetet syastegace graegaagt tictactgag coagtigoag aaaaccage 1930 etgtgatett ggaccagec gaaccacage gtgacqtagg tggagggae egttggtgtt 2040 ggcatettet ggaccagea geaaggaat ggttateete tecetgette aaggatggga 2100 etggaaacc aataccacc tggaaagye ogcatatete gaccacagga agttgtggg 2160
ctaggateca tectattgte aatgagatgt teteatecag aagecataga atectgaata 2220
ataattetaa aagaaactte tggagateat etggeaateg ettttaaaga eteggeteae 2280
cgtgagaaag agtcactcac atccattett cccttgatgg tecetattee teetteeett 2340 geettettgg acttettga atcaatcaag actgeaaace ettteataaa getgeettge 2400
 tgaactcctc tetgcaggag ecctgettaa aatagttgat gteatcactt tatgtgcate 2460
ttatttetgt caacttgtat tttttttett gtatttttee aattagetee teetttttee 2520
ttccagtcta aaaaaggaat cetetgtgte ttcaaageaa agetetttae tttcccettg 2580
gtteteataa etetgtgate ttgetetegg tgetteeaae teateeaegt eetgtetgtt 2640 teetetgtat acaaaaceet ttetgeeeet getgacacag acateeteta tgeeageage 2700
cagecaacee tttcattaga acttcaaget etecaaagge tcagattata actgttqtca 2760
```

```
tatttatatg aggetgttgt etttteette tgagetgee ttteteecc caccaggag 2820
tatectettg ccaaatcaaa agacttttte ettgggettt ageettaaag atacttgaag 2880
glotaggige titaaccica catacccica citaaactit tatcactgit gcatatacca 2940
ghtgtgatac aataaagaat gtatctggat httgtgccta gttcctagca cacagettca 3000
asaattetag agtiteetga taggagigte tittiglatte ataacaagce citticacce 3060
atceetgggt ttatgetaac aaggttacec atggtgggcc ettagtttca aggaaggagt 3120
tggccaagcc agaaagacca agcatgtggt taaagcatgg aattitcagc cccatcccac 3180
ccccaatctc caaggaggt
<210> 268
<211> 5709
<212> DNA
<213> Homo sapiens
<221> misc_feature
<223> Incyte ID No: 1098141.1
<400> 268
agetegetga gaetteetgg acceegeace aggetgtggg gttteteaga taactgggee 60 cetgegetea ggaggeette accetetget etgggtaaag tteattggaa cagaaagaaa 120
tggatttatc tgctcttcgc gttgaagaag tacaaaatgt cattaatgct atgcagaaaa 180
tettagagtg teccatetgt etggagttga teaaggaace tgtetecaca aagtgtgace 240
acataltitty caaattttgc atgctgaaac ttctcaacca gaagaaaggg ccttcacagt 300
gtcctttatg taagaatgat ataaccaaaa ggagcctaca agaaagtacg agatttagtc 360
aattctgttga agactattg aaaatcattt tytcttttca gcttgacac ggtttgagt 420
atgcaaacag ctataatttt gcaaaaagg aaaataactc tcctgaacat ctaaaagatg 480
aagtttctat catccaaagt atgggctaca gaaaccgtgc caaaagactt ctacagagtg 540
aaccogaaaa toottootty oaggaaacca gtotoagtyt caaactott aaccttygaa 600 otytyagaac totyagyac aagacgogga tacaactoa aaagacgtot gtotacatty 600 aattyggate tyattotto tyaagtacog ttaataagac aactatyca afytyagyag 720 atcaagatt gttacaaatc accoctcaag gaaccaggga tgaaatcagt ttggaltoty 780
caaaaaaaggc tqcttqtqaa ttttctqaqa cqqatqtaac aaatactqaa catcatcaac 840
ccagtaataa tgatttgaac accactgaga agcgtgcagc tgagaggcat ccagaaaagt 900
atcagggtag ttctgtttca aacttgcatg tggagccatg tggaacaaat actcatgcca 960 gctcattaca gcatgagaac agcagtttat tactcactaa agacagaatg aatgtagaaa 1020
aggctgaatt ctgtaataaa agcaaacagc ctggcttagc aaggagccaa cataacagat 1080
gggctggaag taaggaaaca tgtaatgata ggcggactcc cagcacagaa aaaaaggtag 1140
atctgaatgc tgatcccctg tgtgagagaa aagaatggaa taagcagaaa ctgccatgct 1200.
cagagaatcc tagagatact gaagatgttc cttggataac actaaatagc agcattcaga 1260
aagttaatga gtggttttcc agaagtgatg aactgttagg ttctgatgac tcacatgatg 1320
gggagtetga atcaaatgee aaagtagetg atgtattgga egttetaaat gaggtagatg 1380
aatattetgg ttetteagag aaaatagaet taetggeeag tgateeteat gaggetttaa 1440
tatgtaaaag tgaaagagtt cactccaaat cagtagagag taatattgaa gacaaaatat 1500
ttgggaaaac ctatcggaag aaggcaagcc tccccaactt aagccatgta actgaaaatc 1560 taattatagg agcattigit actgagccac agataataca agagcgtccc ctcacaaata 1620
aattaaagcg taaaaggaga cctacatcag gccttcatcc tgaggatttt atcaagaaag 1680 cagatttggc agttcaaaag actcctgaaa tgataaatca gggaactaac caaacggagc 1740
cagattygo ayticaaaaa actootgaa ugataatoa gygaactaac aaaacggage 1740
agaatggtca agtgatgaa
chattoagaa tgagaaaaat cotaacccaa tagaatcac cgaaacagaa tetagetttoa
aaacgaaga tgaacata agcagcagta taagcaatat ggaactogaa ttaactatoc 1920
acaattcaaa agcacctaaa aagaataggc tgaggaggaa gtcttctacc aggcatattc 1980
atgcgcttga actagtagtc agtagaaatc taagcccacc taattgtact gaattgcaaa 2040
ttgatagttg ttctagcagt gaagagataa agaaaaaaaa gtacaaccaa atgccagtca 2100
ggcacagcag aaacctacaa ctcatggaag gtaaagaacc tgcaactgga gccaagaaga 2160
gtaacaagec aaatgaacag acaagtaaaa gacatgacag cgatactttc ccagagetga 2220
agttaacaaa tgcacctggt tettttacta agtgttcaaa taccagtgaa cttaaagaat 2280
ttotcaatcc tagccttcca agagaagaaa aagaagagaa actagaaaca gttaaagtgt 2340
ctaataatgc tgaagacccc aaagatctca tgttaagtgg agaaagggtt ttgcaaactg 2400
aaagatetgt agagagtage agtattetat tggtacetgg tactgattat ggcactcagg 2460
aaagtatete gttactggaa gttagcacte tagggaagge aaaaacagaa ccaaataaat 2520
gtgtgagtca gtgtgcagca tttgaaaacc ccaagggact aattcatggt tgttccaaag 2580
ataatagaaa tgacacagaa ggctttaagt atccattggg acatgaagtt aaccacagtc 2640
gggaaacaag catagaaatg gaagaaagtg aacttgatgc tcagtatttg cagaatacat 2700
tcaaggitte aaagegeeag teattigete egittteaaa teeaggaaat geagaagagg 2760 aatgigeaac atteteigee eacteigggi eettaaagaa acaaagteea aaagteacti 2820
ttgaatgtga acaaaaggaa gaaaatcaag gaaagaatga gtctaatatc aagcctgtac 2880
```

agacagttaa	tatcactoca	ggettteetg	taattaatca	gaaagataag	ccagttgata	2940
		ggaggeteta				
		ccaaataaac				
		tcatttgtta				
aaaactttga	ggaacattca	atgtcacctg	aaagagaaat	gggaaatgag	aacattccaa	3180
gtacagtgag	cacaattagc	cgtaataaca	ttagagaaaa	tqtttttaaa	gaagccaget	3240
caagcaatat	taatgaagta	ggttccagta	ctaatgaagt	gggctccagt	attaatgaaa	3300
taggttccag	tgatgaaaac	attcaagcag	aactaggtag	aaacagaggg	ccaaaattga	3350
		gttttgcaac				
gtaattgtaa	gcatcctgaa	ataaaaaagc	aagaatatga	agaagtagtt	cagactgtta	3480
atacagattt	ctctccatat	ctgatttcag	ataacttaga	acageetatg	ggaagtagte	3540
atgcatctca	ggtttgttct	gagacacctg	atgacctgtt	agatgatggt	gaaataaagg	3600
aagatactag	ttttgctgaa	aatgacatta	aggaaagttc	tgctgttttt	agcaaaagcg	3660
tccagaaagg	agagettage	aggagtccta	gecettteac	ccatacacat	ttggctcagg	3720
		aaattagagt				
		cacttgttat				
		gctaccgagt				
tatcattgaa	gaatagctta	aatgactgca	gtaaccaggt	aatattggca	aaggcatctc	3960
		gaaacaaaat				
		gcaaatacaa				
ccaaacaaat	gaggcatcag	tctgaaagcc	agggagttgg	tctgagtgac	aaggaattgg	4140
tttcagatga	tgaagaaaga	ggaacgggct	tggaagaaaa	taatcaagaa	gagcaaagca	4200
tggattcaaa	cttaggtgaa	gcagcatctg	ggtgtgagag	tgaaacaagc	gtctctgaag	4260
		cagagtgaca				
		caggaaatgg				
		ttaccettee				
		cacattcaga				
		atccagaagg				
agacagetee	accaytadaa	ataaagaacc ggtacatgca	aggagtggaa	aggicatice	agnatagana	4600
ctecccatca	gacgacaggc	tcattaaggt	tattatata	gggagccccc	agaatagaaa	47/0
		cggaaacatc				
		teagectett				
adacadadcc	ccaractcar	ctcgtgttgg	caacatacca	tetteaacet	ctocattoaa	4920
agttccccaa	ttgaaagttg	cagaatctgc	ccadadtcca	actactacta	atactactos	4980
		tggaagaaag				
		aaagaatgtc				
		ttgccagaaa				
tgaagagact	actcatgttg	ttatqaaaac	agatgctgag	tttqtqtqtq	aacggacact	5220
gaaatatttt	ctaggaattg	cgggaggaaa	atgggtagtt	agctatttct	gggtgaccca	5280
gtctattaaa	gaaagaaaaa	tgctgaatga	gcatgatttt	gaagtcagag	gagatgtggt	5340
caatggaaga	aaccaccaag	gtccaaagcg	agcaagagaa	tcccaggaca	gaaagatctt	5400
cagggggcta	gaaatctgtt	gctatgggcc	cttcaccaac	atgcccacag	atcaactgga	5460
atggatggta	cagctgtgtg	gtgcttctgt	ggtgaaggag	tttcatcatt	caccettgge	5520
acaggtgtcc	acccaattgt	ggttgtgcag tgaggcacct	ccagatgcct	ggacagagga	caatggcttc	5580
catgcaattg	ggcagatgtg	tgaggcacct	gtggtgaccc	gagagtgggt	gttggacagt	5640
	accagtgcca	ggagctggac	acctacctga	taccccagat	ccccacage	5700
cactactga						5709
.010- 065						
<210> 269 <211> 3338						
<212> DNA						
<213> Homo	saprens					
<220>						
<221> misc_	fosturo					
	e ID No: 2	20000				
VAZS INCY	LE ID NO. 2.	00003.2				
<400> 269						
	gggaagttac	ccgtgttctg	cattaccase	catagatact	ctooccacan	60
		gggtttctcc				
adadadteee	ttctcagage	acctaaggaa	acatatatata	tagaatagaa	t tagaaaacca	180
cacctacaca	tetecacaaa	acagagggat	abantnaana	taatactatt	attottacct	240
		tgagatatgt				
attettact=	cactasace	maataat+=	ttcracrate*	tttacctacc	ccaraaraa	360
.5	- 5-5-59-04	J			- 3	
	cttatgtaaa	cttatgtaaa tttcatgaac	cttatgtaaa tttcatgaac tattatatcc	cttatgtaaa tttcatgaac tattatatcc gttttcctcg	cttatgtaaa tttcatgaac tattatatcc gttttcctcg gagtgagaga	attottacta cgctaaagaa gaaataatta ttogaggata tttgoctggo ccagaagaaa cttatgtaaa ttocatgaac tattatatoc gttttoctcg gagtyaagaa aaactotttt tagatatcat ctgagaggta gttaatttgg caccatgggg atacagggat tgctacaatt

```
tatcaaagaa getteagaae eeateeatgt gaggaagtat aaagggeagg tagtagetgt 540 ggatacatat tgetggette acaaaggage tattgettgt getgaaaaae tageeaaagg 600
tgaacctact gataggtatg taggattttg tatgaaattt gtaaatatgt tactatctca 660
tgggatcaag cctattctcg tatttgatgg atgtacttta ccttctaaaa aggaagtaga 720
gagaltetaga agagaaagac gacaagccaa tettettaag ggaaagcaac tettettga 780
ggggaaagte teggggaagte gagagtgttt acaceggtet acaatatca cacatgccat 840
ggcccacaaa gtaattaaag etgeceggte teagggggta gattgecteg tggctecta 900
tgaagetgat gegeagttgg cetatettaa caaageggga attgtgeaag ceataattac 960
agaggacteg gatetectag ettttggetg taaaaaggta attttaaaga tggaccagtt 1020
tggaaatgga cttgaaattg atcaagctcg gctaggaatg tgcagacagc ttggggatgt 1080 attcacggaa gagaagtttc gttacatgtg tattctttca ggttgtgact acctgtcatc 1140
actgcgtggg attggattag caaaggcatg caaagtccta agactagcca ataatccaga 1200
tatagtaaag ottatcaaga aaattggaca ttatctcaag atgaatatca cggtaccaga 1260
ggattacate aacgggttta ttegggeeaa caatacette etetateage tagtttttga 1320
teccateaaa aggaaaetta tteetetgaa egeetatgaa gatgatgttg ateetgaaae 1380 actaagetae getgggeaat atgttgatga ttecataget etteaaatag eaettggaaa 1440
taaagatata aatacttttg aacagatcga tgactacaat ccagacactg ctatgcctgc 1500
ccattcaaga agtcgtagtt gggatgacaa aacatgtcaa aagtcagcta atgttagcag 1560
catttgggca taggaattac teteccagac cagagteggg tactgtttca gatgecccac 1620
aattgaagga aaatccaagt actgtgggag tggaacgagt gattagtact aaagggttaa 1680 atctcccaag gaaatcatcc attgtgaaaa gaccaagaag tgcagagctg tcagaagatg 1740
acctgttgag tcagtattct ctttcattta cgaagaagac caagaaaaat agctctgaag 1800
gcaataaatc attgagettt tetgaaatgt ttgtgeetga eetggtaaat ggacetacta 1860 acaaaaagag tgtaageact ceaectagga egagaaataa atttgeaaca tttttacaaa 1920
ggaaaaatga agaaagtggt gcagttgtgg ttccagggac cagaagcagg ttttttttgca 1980
gttcagattc tactgactgt gtatcaaaca aagtgagcat ccagcctctg gatgaaactg 2040
ctgtcacaga taaagagaac aatctgcatg aatcagagta tggagaccaa gaaggcaaga 2100
gactggttga cacagatgta gcacgtaatt caagtgatga cattccgaat aatcatattc 2160
caggigatea tattocagae aaggeaacag tgittacaga tgaagacto tactottit 2220
agagoagcaa atttacaagg accatttoac caccactt gggaacacta agaagttgt 2220
taagtiggte tggaggitett ggagattitt caagaacgc gagococto ccaageacag 2340
cattgaagca gittocgaaga aagaaggatt coccacctc titgcotgag aataatatit 2400
ctgatgtgte geagttaaag agegaggagt ccagtgacga tgagteteat ccettacgag 2460
aaggggeatg ttetteacag teeeaggaaa gtggagaatt eteaetgeag agtteaaatg 2520
eateaaaget tteteagtge tetagtaagg actetgatte agaggaatet gattgeaata 2580
ttaagttaet tgacagteaa agtgaceaga cetecaaget atgtttatet eatteteaa 2640
aaaaagacac acctctaagg aacaaggtte etgggetata taagtecagt tetgeagact 2700
ctetttetae aaccaagate aaacctetag gacctgecag agccagtggg etgageaaga 2760
agcoggcaag catocagaag agaaagcato ataatgooga gaacaagcog gggttacaga 2820
teaaaeteaa tgagetetgg aaaaaetttg gatttaaaaa agattetgaa aagetteete 2880 ettgtaagaa acceetgtee eeagteagag ataacateca actaacteca gaageggaag 2940
aggatatatt taacaaacct qaatqtgqcc qtqttcaaaq agcaatattc cagtaaatqc 3000
agactgetge anagettttg cetgenagag antetgaten atttgangte cetgtttggg 3060
aatgaggcac ttatcagcat gaagaattit ttotcattot gtgccattit aaaaatagaa 3120
tacattityt atattgacti tataatiggg tigtggtitt titgctcagc titttatatt 3180
tttataagaa gctaaataga agaataattg tatotctgac aggtittitga aggittitagi 329ttitagi
gttaattggg aaaatcctct ggagtttata aaagtctact ctaaatattt ctgtaatgtt 3300
gtcaagtaga aagatagtaa atggagaacg tacaatcc
<210> 270
<211> 1458
<212> DNA
<213> Homo sapiens
<221> misc feature
<223> Incyte ID No: 1100105.3
<220>
<221> unsure
<222> 761
<223> a, t, c, g, or other
<400> 270
ggcagcttca ccaaagtggg gtatttccag cctttgtagc tttcacttcc acatctacca 60
agtgggggg gtggcettet gtggacgaat cagatteete tecageaceg actttaagag 120
gcgageeggg gggtcagggt cecagatgea caggaggaga agcaggaget gtegggaaga 180
```

```
teagaageea gteatggatg accagegega cettatetee aacaatggag caactgeeca 240
tgctgggccg gcgccctggg gccccggaga gcaagtgcag ccgcggagcc ctgtacacag 300
gettitecat cetggtgact etgeteeteg etggecagge caccacegee tacttectgt 360
accagcagca gggccggctg gacaaactga cagtcacctc ccagaacctg cagctggaga 420
acctgegeat gaagetteec aageeteeca ageetgtgag caagatgege atggccacce 480
cgctgctgat gcaggcgctg cccatgggag ccctgccca ggggcccatg cagaatgcca 540 ccaagtatgg caacatgaca gaggaccatg tgatgcacct gctccagaat gctgacccc 600
tgaaggtgta cccgccactg aaggggaget tcccggagaa cctgagacac cttaagaaca 660
caatggagac catagactgg aaggicttitg agagcttggat ggcaccattg gctcctgttt 720
gaaatgagac ggcactgcct tggagcaaaa gccactgga neggctccac cgaaagagt 780
aatggaactg ggaggaacccg tcttctgggc tgggtytgac caaggagat ctgggcccag 840
tecceatgtg agagcagcag aggeggtett caacatectg ccagecccac acagetacag 900
ctttcttgct cccttcagcc cccagccct cccccatctc ccaccctgta cctcatccca 960
tgagaccotg gtgcotggct otttogtoa cettggacaa gacaaaccaa gtcggaacag 1020
cagataacaa tgcagcaagg coctgctgc caatctocat otgtcaaccag gggcgtgagg 1800
tccaggaag tggccaaaag ctagacagat cccgttoct gacatcacag cagcctccaa 1800
cacaaggete caagacetag geteatggae gagatgggaa ggcacaggga gaagggataa 1200
coctacacee agaccecagg ctggacatge tgactgtect ctececteca geetttggee 1260
ttggetttte tageetattt acetgeagge tgageeacte tetteeettt ecccageate 1320
actececaag gaagagecaa tgttttecae ceataateet ttetgeegae eectagttee 1380
ctetgetcag ccaagettqt tateagettt cagggccatg gttcacatta qaataaaagg 1440
tagtaattag aaaaaaaa
<210> 271
<211> 2247
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 474729.2
<220>
<221> unsure
<222> 26, 1700-1964
<223> a, t, c, g, or other
<400> 271
gggacacccg tecegaacga acegantgeg geceegteee geegeegee egecageeat 60 gageteeaeg cagttgeaac aagggeeet egtacgggge tgteggeega ggteaagaac 120
eggeteetgt ccaaatatga eececagaag gaggeagage teegcacetg gategaggga 180
ctcaccggcc tetecategg eccegactte cagaagggcc tgaaggatgg aactatetta 240
tgcacactca tgaacaagct acagecgggc tecgtececa agatcaaccg ctccatgcag 300
aactggcacc agctagaaaa cctgtccaac ttcatcaagg ccatggtcag ctacggcatg 360
aaccetgtgg acctgttcga ggccaacgac ctgtttgaga gtgggaacat gacgcaggtg 420
caggtgtete ttetegecet ggoggggaag gccaagacta aggggetgca gagegggtg 480
gacattggeg teaagtacte ggaggagaag gageggaatt tegaegatge caccatgaag 540
gctggccagt gcgtcatcgg qctgcagatg gqcaccaaca aatgcgccag ccagtcagqc 600
atgactgeet acggeacgag aaggeatete tatgacecca agaaccatat cetgeecce 660
atggaccact cgaccatcag cotccagatg ggcacgaaca agtgtgccag ccaggtgggc 720
atgacggctc ccgggacccg gcggcacatc tatgatacca agctgggaac cgacaagtgt 780
gacaactect coatgtooct goagatgggc tacacgcagg gogccaacca gagoggccag 840
gtetteggee tggggeegge agatatatga ceceaagtae tgeeegeaag geacagtgge 900
cgatgggget ccetegggea ccggcgactg cccggacccg ggggaggtcc ctgaatatcc 960
cocttactac caggaggagg coggetactg aggeteccag cacgetetet coccacateg 1020 totocccate tgggtttttg ggtttttctg tgttttcate tttttatttt ttttcttaac 1080
ccgttcagtg ctgccagtca accaagggtc tgtgagtgtc agcgtgggat caggcagcag 1140
agetttttte ceetttgeet tgateetteg caaggetgag ceaetggget gtggggaag 1200
ggytcaaggc cataleccaa tacgtgtagg gcgagggtcc ctgctggca catteaggctg 1260
tgctgggaag aaggacctg ggcttggaag gaaccggtcc ccgacggttt ctggttgct 1230
cgcctcttcc cccttttgtc agctgagcag tttgtggttt ctatgcccca agtttcagg 1320
aagtattcac aaaagaaaaa tacattttt cccccaqqqq tqqqqcaaqq acaqtqqaqa 1440
gagtgctagg anatgagtcc cctgggaaag gggaccgggc cgtgatgtta aatatctccg 1500
geteceaagt gaetggattt geetaggaee tteagateaa cagaetteag acceteagae 1560
ctgccccggg gccaggtgga gaaagtgagg gccgtacaag gaagtgaaat tctgagttgt 1620
tggggctaag cctgacccc tctccatgct ccccgccca actcactctg gcctcagtag 1680
```

```
принципина принципина принципина принципина принципина принципина 1800
принимания принимания принимания принимания принимания принимания 1920
nonponnonn noonnonnon noonnonnon noonnonnon nonneeteag taggttttaa 1980
ggagteecea geeteetee ettetgggee egaecagett atactgetee atetteeceg 2040
gccacatgcc ccgccaagta ctgcacaggg acccccacc caggggccct gctccgtgag 2100
ataatgtgaa atacgactgt ggaccaaacg caataaaacc tetgtttgta etgetecate 2160
ttecceggee acatgeceeg ccaagtactg cacagggace ceccaeccag gggeeetget 2220
ccqtqaqata atqtqaaata cqactqt
<210> 272
<211> 6949
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 363000.3
<221> unsure
<222> 2811-2812, 2814
<223> a, t, c, g, or other
<400> 272
ttecetaaca gaagaccate ececttgeea etecetggtt tttettetet ggeageaatg 120
aagcagetge tgacccaget etagtitteg ggaagteaga tgacetitte eetecegegg 180
ctetetacet etegeegeee etagggagga caccatggge ceaetgatgg ttettttttg 240
cetgetgtte etgtaceeag gtetggeaga eteggeteee teetgeeete agaaegtgaa 300
tatetegggt ggeacettea eceteageea tggetggget cetgggagee tteteaceta 360
ctectgeece cagggeetyt acceatecee ageateaegg etgtgeaaga geageggaca 420
gtgeagagae ceaggageae eeggtetet gtetaaggeg gtetgeaaga etgtgegety 480
tecageecet gteteetttg agaatggeat ttataeecea eggetggggt ectatecegt 540
gggtggcaat gtgagetteg agtgtgagga tggetteata ttgegggget egeetgtgeg 600
tcagtgtcgc cccaacggca tgtgggatgg agaaacagct gtgtgtgata atggggctgg 660
ccactgccc ancocaggea thtcactggg ogcagtgegg acaggettec gettiggtea 720
tggggacaaag gtccgctate getgetecte gaalethigt ctacggggt citoggageg 780
ggagtyccag ggcaacgggg totggagtgg ancogagec atotgccgc aacoctacte 840
ttatgacttc cctgaggacg tggcccctgc cctgggcact tccttctccc acatgcttgg 900
ggccaccaat cccacccaga agacaaagga aagcctgggc cgtaaaatcc aaatccagcg 960
ctctggtcat ctgaacctct acctgctcct ggactgttcg cagagtgtgt cggaaaatga 1020
ctttctcatc ttcaaggaga gcgcctccct catggtggac aggatcttca gctttgagat 1080
caatgtgage gttgccatta tcacctttgc ctcagagccc aaagtcctca tgtctgtcct 1140
gaacgacaac teeegggata tgactgaggt gateageage etggaaaatg ccaactataa 1200
agatcatgaa aatggaactg ggactaacac ctatgcggcc ttaaacagtg tctatctcat 1260
gatgaacaac caaatgegac teeteggeat ggaaacgatg geetggeagg aaateegaca 1320
tgeeateate ettetgacag atggaaagte caatatgggt ggeteteeca agacagetgt 1380
tgaccatate agagagatee tgaacatea ecagaagag aatgactate tggacateta
tgccatcggg gtgggcaagc tggatgtgga ctggagagaa ctgaatgagc tagggtccaa 1500
gaaggatggt gagaggcatg cettcattet geaggacaca aaggetetge accaggtett 1560
tgaacatatg ctggatgtet ccaageteac agacaccate tgcggggtgg ggaacatgte 1620 agcaaacgce tetgaccagg agaggacace etggcatgte actattaage ccaagagcca 1680
agagacetge eggggggee teateteega ceaatgggte etgacagcag etcattgett 1740
cogogatggc aacgaccact coctgtggag ggtcaatgtg ggagacccca aatcccagtg 1800
gggcaaagaa ttccttattg agaaggcggt gatctcccca gggtttgatg tctttgccaa 1860
aaagaaccag ggaatcetgg agttctatgg tgatgacata getetgetga agetggeeca 1920
gaaagtaaag atgtccaccc atgccaggec catctgcctt ccctgcacga tggaggccaa 1980
tetggetetg eggagaeete aaggeageae etgtagggae eatgagaatg aactgetgaa 2040
caaacagagt gttectgete attitgtege ettgaatggg agcaaactga acattaacet 2100
taagatggga qtqqaqtqqa caaqctqtgc cqaqqttqtc tcccaagaaa aaaccatgtt 2160
ccccaacttg acagatgtca gggaggtggt gacagaccag ttcctatgca gtgggaccca 2220
ggaggatgag agtccctgca agggagaatc tgggggagca gttttccttg agcggagatt 2280
caggtttttt caggigggtc tggtgagctg gggtctttac aacccctgc ttggctctg 2340
tgacaaaaac tcccgcaaaa gggccctcg tagcaaggtc ccgccgcac gagactttca 240
catcaatctc ttccgcatgc agccctggct gaggcagcac ctgggggatg tcctgaattt 2460
tttacccctc tagccatggc cactgagccc tetgctgccc tgccagaatc tgccqcccct 2520
```

	cctctgaatg	gccaccctta	gaccctgtga	tecatectet	ctcctagctg	2580
		2	3		-h-ah	2640
aytaaatccg	ggtetetagg	atgecagagg	caycycacac	aagctgggaa	accectaggg	2040
ctcctaccag	caggactgcc	tegetgeece	acctccccct	ccttggcctg	tececagatt	2700
	tten attena	tantmattet	tt anatttan	antegantet	agazettata	2760
ectteeetgg	Ligacitgae	ceatgettyt	LLCacttica	catggaattt	cecagicaly	2700
aaattaataa	aaatcaatgg	tttccacaaa	aaaaaaaaaa	cggccgccga	nnantgaget	2820
1 1 1 1 1						0000
tgtactttat	tacatatgca	accttgccat	geetgeeagt	taactcccct	cccgccaatg	2880
tratectest	catateacet	ccctcttaaa	accactagae	tgcccccctt	tecttetaaa	2940
CCGCCCCCGC	gatateaget	ccccccggg	geedeegage	- Lgoccoccc	ccoccouggg	2000
ctggagtagt	ggtgcccctc	aagcaggcaa	taggcaggg	gagatccaca	attaatcqtc	3000
gazattatat	tananartatt	nnanattana	tanganatat	tggggagttg	annagget at	3060
tcaggatggg	atocaotoco	aggetacece	tcatccaagg	tacaggctgg	aatgagetae	3120
200100100	+t		2424424242	tattctgggg	attentatas	2100
agetggteta	tegigggeer	cagaaggtga	agagggaeeg	tattetgggg	citagigigg	2790
atagagacata	tectecceaa	acttotteto	ataaacaata	ttcttcacat	ctaggagage	3240
909999-00-			9-999-99			2200
etggtggtgg	acataggcct	gacagtagta	acaccagget	gacaggtcga	tgtagetgag	3300
daccadedda	totocagaat	ttccataata	ttggaggatg	tggccattga	totaacoacc	3360
gaccagoggg	og coougua c	cccoarggrag	coggagoacg	oggoodooga	og odd og doo	2422
acagtagacc	tgatagcaag	agagacacac	ccaattctct	tggattgttc	cacagteece	3420
acaaggttgg	atcacateta	agestastas	aggtatgggg	catactgcca	ccaaataaaa	3480
acaaggregg	ground	ggoodgeage	aggracagaa	outure og cou	ocaaagggg	0 2 0 0
acaccagggc	agtggtgtca	caccataaaa	tatggcctga	tcagtgaggc	ccctagatcc	3540
ataantanaa	ategaates	aastataata	seat agreat	gectetecta	ateaattata	3600
Cigcalcage	accyaaccay	ccatgicety	accedagee	gccccccca	graggricer	3000
ctctcctaga	gcctgagatt	ctgaggeece	ctgagattcg	ctgcctaget	ccaaggtcct	3660
anan at anan	- + + - +	hermonetat	abaaaatata	at tagataga	anaatanaat	7720
gagaeteeca	accaytytac	igggagatat	ciggggigia	gttccctgca	caggigaggi	3/20
taaaaaaaatc	taataateta	tactcaaaac	tagaggagtt	tggatcagct	caataccccc	3780
222223	h-h		h-hh	tccatggctg		2010
rggageetee	cccgacgtag	terggreeag	tgtggeteee	recarggery	ecteegaggt	3040
agtetaggee	agtgtaggtg	ctcctacacc	ctcctctcac	gtagtctggc	ccarcatrac	3900
9500099900	agogoageee	o see saleage	gag	9-49-4-99-		2000
tcccccaaca	gcatcctctg	aggtggtctg	gtccagaatg	gctcctccca	cagteteete	3960
tandataata	trat coarse	tagatagaga	ganagetee	tctgaggtgg	tetaggeggg	4020
rgaggraggra	eggeeeggag	eggeteeeee	gacageeece	cccgaggcgg	conggeoung	4020
catggeteee	ccaatggctg	cctcagaaat	gqtctgggcc	agagtggctc	cccctgtggc	4080
tagatataga	gggtggtggt	asatasaaaa	caggagagat	gtctctgagt	tagtgtgggg	4140
cgcccccgag	ggccggcccc	gagegaggge	caccacagec	geceegage	cagectgget	4140
tagagtagac	tettececaa	atgatgccga	aataactttc	cccatgcctg	cttccagaac	4200
				ttggctggtt		
cttggtgacc	aacttagaac	tagaaggtee	ttctctatct	tctaccttca	toacccotaa	4320
gergegeeag	tatotgogat	ggacttggat	ggteteagtg	attgaggcca	gggcccctga	4300
tagtgggggg	cataacaaaa	t.cagcagggg	tagtagatet	ccaaggaggg	agcgagtgca	4440
3-32333-	-9-59599		-55-559			45.00
ggcagccarg	gactetgaga	tggatgtcag	gttatageca	ccctctagga	LaaggaLaaL	4500
	~~~~~~~~~	t an wan arata	aatasaataa	anata annat	anastanana	4560
geggeeactg	gcaaggccca	ccagcaggig	ggcgaggcgg	geataaccct	caggigacac	4500
ctggcagccc	cccagcggat	cccccgtgc	agcatcaaag	ccagctgaga	ccagcaccag	4620
ctggcagccc	cccagcggat	cccccgtgc	agcatcaaag	ccagctgaga	ccagcaccag	4620
ctggcagccc ttctgggtta	cccagcggat aactcgtagg	caatgggaag	agcatcaaag caccaggcga	ccagctgaga tgccaggcag	ccagcaccag ctaggtagtc	4620 4680
ctggcagccc ttctgggtta	cccagcggat aactcgtagg	caatgggaag	agcatcaaag caccaggcga	ccagctgaga tgccaggcag	ccagcaccag ctaggtagtc	4620 4680
ctggcagece ttctgggtta agcatcacce	cccagcggat aactcgtagg atgcggggcc	ccccccgtgc caatgggaag cgttccatgc	agcatcaaag caccaggcga cacgttgacg	ccagctgaga tgccaggcag gtgaagcctg	ccagcaccag ctaggtagtc tgcccgcagc	4620 4680 4740
ctggcagccc ttctgggtta agcatcaccc ccggccgatc	cccagcggat aactcgtagg atgcggggcc tggctgctgg	cccccgtgc caatgggaag cgttccatgc caccctcatc	agcatcaaag caccaggcga cacgttgacg ccccatgggg	ccagctgaga tgccaggcag gtgaagcctg aagaaggtgc	ccagcaccag ctaggtagtc tgcccgcagc catgatcata	4620 4680 4740 4800
ctggcagccc ttctgggtta agcatcaccc ccggccgatc	cccagcggat aactcgtagg atgcggggcc tggctgctgg	cccccgtgc caatgggaag cgttccatgc caccctcatc	agcatcaaag caccaggcga cacgttgacg ccccatgggg	ccagctgaga tgccaggcag gtgaagcctg aagaaggtgc	ccagcaccag ctaggtagtc tgcccgcagc catgatcata	4620 4680 4740 4800
ctggcagccc ttctgggtta agcatcaccc ccggccgatc gcggtgcagg	cccagcggat aactcgtagg atgcggggcc tggctgctgg gacacatata	ceceegtge caatgggaag cgttccatgc caccetcatc gcacactggg	agcatcaaag caccaggcga cacgttgacg ccccatgggg gtcatcctca	ccagctgaga tgccaggcag gtgaagcctg aagaaggtgc aacatgtgct	ccagcaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt	4620 4680 4740 4800 4860
ctggcagccc ttctgggtta agcatcaccc ccggccgatc gcggtgcagg accgtggtgg	cccageggat aactcgtagg atgcggggcc tggctgctgg gacacatata acatcccaat	ceceegtge caatgggaag cgttccatge caccetcate gcacactggg ccacaatcag	agcatcaaag caccaggcga cacgttgacg ccccatgggg gtcatcctca gatccgtagg	ccagetgaga tgecaggeag gtgaageetg aagaaggtge aacatgtget geatgeeeac	ccagcaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt tgatagtctg	4620 4680 4740 4800 4860 4920
ctggcagccc ttctgggtta agcatcaccc ccggccgatc gcggtgcagg accgtggtgg	cccageggat aactcgtagg atgcggggcc tggctgctgg gacacatata acatcccaat	ceceegtge caatgggaag cgttccatge caccetcate gcacactggg ccacaatcag	agcatcaaag caccaggcga cacgttgacg ccccatgggg gtcatcctca gatccgtagg	ccagetgaga tgecaggeag gtgaageetg aagaaggtge aacatgtget geatgeeeac	ccagcaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt tgatagtctg	4620 4680 4740 4800 4860 4920
ctggcagccc ttctgggtta agcatcacc ccggccgatc gcggtgcagg accgtggtgg ggcatggcga	cccageggat aactegtagg atgeggggee tggetgetgg gacacatata acateccaat gcagecacag	ccccccgtgc caatgggaag cgttccatgc caccctcatc gcacactggg ccacaatcag ccacagagtt	agcatcaaag caccaggcga cacgttgacg ccccatgggg gtcatcctca gatccgtagg gaaaaagcaa	ccagctgaga tgccaggcag gtgaagcctg aagaaggtgc aacatgtgct gcatgccac aaaccgcaag	ccagcaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt tgatagtctg ctgcatcctg	4620 4680 4740 4800 4860 4920 4980
etggeagece ttetgggtta ageateacec ceggeegate geggtgeagg acegtggtgg ggeatggega etctgegtgg	cccageggat aactegtagg atgeggggee tggetgetgg gacacatata acateccaat geagecacag toteetggg	ecceeegtge caatgggaag egttecatge caccetcate gcacactggg ccacaatcag ccacagagtt gacgcaccac	agcatcaaag caccaggcga cacgttgacg ccccatgggg gtcatcctca gatccgtagg gaaaagcaa agcagcacca	ccagctgaga tgccaggcag gtgaagcctg aagaaggtgc aacatgtgct gcatgcccac aaaccgcaag ttcagaacct	ccagcaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt tgatagtctg ctgcatcctg ctcctgagag	4620 4680 4740 4800 4860 4920 4980 5040
etggeagece ttetgggtta ageateacec ceggeegate geggtgeagg acegtggtgg ggeatggega etctgegtgg	cccageggat aactegtagg atgeggggee tggetgetgg gacacatata acateccaat geagecacag toteetggg	ecceeegtge caatgggaag egttecatge caccetcate gcacactggg ccacaatcag ccacagagtt gacgcaccac	agcatcaaag caccaggcga cacgttgacg ccccatgggg gtcatcctca gatccgtagg gaaaagcaa agcagcacca	ccagctgaga tgccaggcag gtgaagcctg aagaaggtgc aacatgtgct gcatgcccac aaaccgcaag ttcagaacct	ccagcaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt tgatagtctg ctgcatcctg ctcctgagag	4620 4680 4740 4800 4860 4920 4980 5040
etggeagece ttetgggtta ageateacec ceggeegate geggtgeagg acegtggtgg ggeatggega etetgegtgg eacagcetee	cccageggat aactcgtagg atgeggggcc tggctgctgg gacacatata acatcccaat gcagccacag tgtcctgggg accaggcgqc	ecceegtge caatgggaag cgttccatge caccetcate gcacactggg ccacaatcag ccacagagtt gacgcaccac aggcaqcac	agcatcaaag caccagggga cacgttgacg ccccatgggg gtcatcctca gatccgtagg gaaaaagcaa agcagcacca agtggcaagc	ccagctgaga tgccaggcag gtgaagcctg aagaaggtgc aacatgtgct gcatgccac aaaccgcaag ttcagaacct tgtgcacagg	ccagcaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt tgatagtctg ctgcatcctg ctcctgagag cgaaggtact	4620 4680 4740 4860 4920 4980 5040 5100
etggeagece ttetgggtta ageateacec eeggeegate geggtgeagg acegtggtgg ggeatggega etetgegtgg cacagcetec ggggeagata	eccageggat aactegtagg atgegggec tggetgetgg gacacatata acateccaat gcagecacag tgteetggg accaggegge tagatggagt	cccccgtge caatgggaag cgttccatge caccetcate gcacactggg ccacaatcag ccacagagtt gacgcacca aggcagcac caaagttgga	agcatcaaag caccaggega cacgttgacg cccatgggg gtcatcctca gatcogtagg gaaaaagcaa agcagcacca agtggcaagc actctcacgg	ccagctgaga tgccaggcag gtgaagcctg aagaaggtgc aacatgtgct gcatgccac aaaccgcaag ttcagaacct tgtgcacagg tgcagctccc	ccagcaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt tgatagtctg ctgcatcctg ctcctgagag cgaaggtact gggttttcat	4620 4680 4740 4800 4860 4920 4980 5040 5160
etggeagece ttetgggtta ageateacec eeggeegate geggtgeagg acegtggtgg ggeatggega etetgegtgg cacagcetec ggggeagata	eccageggat aactegtagg atgegggec tggetgetgg gacacatata acateccaat gcagecacag tgteetggg accaggegge tagatggagt	cccccgtge caatgggaag cgttccatge caccetcate gcacactggg ccacaatcag ccacagagtt gacgcacca aggcagcac caaagttgga	agcatcaaag caccaggega cacgttgacg cccatgggg gtcatcctca gatcogtagg gaaaaagcaa agcagcacca agtggcaagc actctcacgg	ccagctgaga tgccaggcag gtgaagcctg aagaaggtgc aacatgtgct gcatgccac aaaccgcaag ttcagaacct tgtgcacagg tgcagctccc	ccagcaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt tgatagtctg ctgcatcctg ctcctgagag cgaaggtact gggttttcat	4620 4680 4740 4800 4860 4920 4980 5040 5160
ctggcagccc ttctgggtta agcatcaccc ccggccgatc gcggtgcagg accgtggtgg ggcatggcga ctctgcgtgg cacagcctcc ggggcagata tttctctgtg	cccageggat actegtagg atgeggggce tggctgetgg gacacatata gcagceacag tgtcetggg accaggegge accaggegge gccggagatggagt	cccccgtgc caatgggaag cgttccatgc caccetcatc gcacactggg ccacaatcag ccacagagtt gacgcaccac aggcagcgc caaagttgga gacccacgta	agcatcaaag caccaggggg cacgttgacg cccatgggg gtcatcctca gatcogtagg gaaaaagcaa agcagcacca agtggcaagc actctcacgg ctcagcactg	ccagctgaga tgccaggcag gtgaagcetg aagaaggtgc aacatgtgct gcatgcccac aaaccgcaag ttcagaacct tgtgcacagg tgcagctccc tgacaggtga	ccagcaccag ctaggtagtc tgoccgcagc catgatcata gagttocatt tgatagtctg ctgcatcctg ctoctgagag cgaaggtact gggttttcat goagctcagc	4620 4680 4740 4800 4860 4920 4980 5040 5160 5220
ctggcagccc ttctgggtta agcatcaccc ccggccgatc gcggtgcagg accgtggtgg ggcatggcg ctctgcgtgg cacagcctcc ggggcagata tttctctgt ctctgtggc	cccageggat aactcgtagg atgegggcc tggctgctg acacatata acatcccaat gcagccacag tgtcctgggg accaggeggc tagatggagt gcccggaggat gggcqqqtg	cccccgtgc caatgggaag cgttccatgc caccttcatc gcacactggg ccacagagtt gacgcaccac aggcagcgc caaagttgga gacccacgta tcagggtgga	agcatcaaag caccaggcga caccttgggg gtcatcctca gatccgtagg gaaaaagcaa agcagcacca agtggoaagc ctcaagcactu gcagcaccg	ccagctgaga tgccaggcag gtgaagcetg aagaaggtge gcatgeccac aaaccgcaag ttcagaacet tgtgcacagg tgcaagetece tgacaggtga gcaaggtcac	ccagcaccag ctaggtagtc tgccgcagc catgatcata gagttccatt tgatagtctg ctgcatcctg ctcctgagag cgaaggtact gggttttcat gcagctcagc gctcctccag	4620 4680 4740 4860 4920 4980 5040 50100 5160 5220 5280
ctggcagccc ttctgggtta agcatcaccc ccggccgatc gcggtgcagg gcatggcga ctctgcgtgg cacagcctcc ggggcagata tttctctgtg ctctgtgga	cccageggat acctegtagg atgeggggcc tggctgctgg gacacatata gcagccaca tgtcctgggg accaggcggc tagatggagt tgccggagat ggcgcggtg atccqcaaga	cccccgtgc caatgggaag cgttccatgc cacctcatc gcacatggg ccacagagtt gacgcaccac aggcagcgcc caaagttgga gaccacgta tcagggtgag gaccacgta	agcatcaaag caccaggcga cacgttgacg ccccatgggg gtcatcctca gaaaaagcaa agcagcacca agtggcaagc actctcacgg ctcagcactg gcagcgcccg	ccagctgaga tgccagccag gtgaagcctg aagaaggtgc aacatgtgot gcatgcccac aaaccgcaag ttcagaacct tgtgcacagg tgcagctccc tgacaggtga gcaaggcccc tgacaggtga	ccagcaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt tgatagtctg ctgcatcctg ctcctgagag cgaaggtact gggttttcat gcagctcagc gctcctccag cccacaagtt	4620 4680 4740 4860 4920 4980 5100 5160 5220 5280 5340
ctggcagccc ttctgggtta agcatcaccc ccggccgatc gcggtgcagg gcatggcga ctctgcgtgg cacagcctcc ggggcagata tttctctgtg ctctgtgga	cccageggat acctegtagg atgeggggcc tggctgctgg gacacatata gcagccaca tgtcctgggg accaggcggc tagatggagt tgccggagat ggcgcggtg atccqcaaga	cccccgtgc caatgggaag cgttccatgc cacctcatc gcacatggg ccacagagtt gacgcaccac aggcagcgcc caaagttgga gaccacgta tcagggtgag gaccacgta	agcatcaaag caccaggcga cacgttgacg ccccatgggg gtcatcctca gaaaaagcaa agcagcacca agtggcaagc actctcacgg ctcagcactg gcagcgcccg	ccagctgaga tgccagccag gtgaagcctg aagaaggtgc aacatgtgot gcatgcccac aaaccgcaag ttcagaacct tgtgcacagg tgcagctccc tgacaggtga gcaaggcccc tgacaggtga	ccagcaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt tgatagtctg ctgcatcctg ctcctgagag cgaaggtact gggttttcat gcagctcagc gctcctccag cccacaagtt	4620 4680 4740 4860 4920 4980 5100 5160 5220 5280 5340
ctggcagccc ttctgggtta agcatcaccc ccggccgatc gcgtgatgg gcatggcga ctctgcgtgg cacagcctcc ggggcagata tttctctgtg ctctgtggca acggcacata	cccageggat aactcgtagg atgeggggc tggctgotgg gacacatata acatcccaat gcagccacaat gcagccacaag tgtcctgggg accaggcggc tagatggagt gcccggagat gggcggggt atccgcaaga atcatatttt	cccccgtgc caatgggaag cgttccatgc cacctcatc gcacactgg ccacaaggtt gacgcaccac aggcagcac caaagttgga gaccacgta tcagggtgag tgcgctgggg ggtcatagga	agcatcaaag caccagggga cacgttgacg caccatgggg gtcatcctca gatccgtagg gaaaaagcaa agcagcaca agtggcaagc actctcacgg ctcagcactg gcagcacg acacctcaggactg acacctcaggg	ccagctgaga tgccagcag gtgaagcctg aagaaggtgc aacatgtgcc aacatgtgc tcagaacct ttgtgcacagg tgcagctccc tgacaggtga gcaaggccat gcaaggtga gcaaggtgactgt ggagactgt	ccagcaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt tgatagtctg ctgctacctg ctoctgagag cgaaggtact gggttttcat gcagctcagc gctcctccag gctcctccag gcaccacaagtt gcactgcca	4620 4680 47400 4860 4920 4980 5040 5100 5120 5220 5280 5340
ctggcagccc ttctgggtta agcatcaccc ccggccgatc gcgtgatgg gcatggcga ctctgcgtgg cacagcctcc ggggcagata tttctctgtg ctctgtggca acggcacata	cccageggat aactcgtagg atgeggggc tggctgotgg gacacatata acatcccaat gcagccacaat gcagccacaag tgtcctgggg accaggcggc tagatggagt gcccggagat gggcggggt atccgcaaga atcatatttt	cccccgtgc caatgggaag cgttccatgc cacctcatc gcacactgg ccacaaggtt gacgcaccac aggcagcac caaagttgga gaccacgta tcagggtgag tgcgctgggg ggtcatagga	agcatcaaag caccagggga cacgttgacg caccatgggg gtcatcctca gatccgtagg gaaaaagcaa agcagcaca agtggcaagc actctcacgg ctcagcactg gcagcacg acacctcaggactg acacctcaggg	ccagctgaga tgccagcag gtgaagcctg aagaaggtgc aacatgtgcc aacatgtgc tcagaacct ttgtgcacagg tgcagctccc tgacaggtga gcaaggccat gcaaggtga gcaaggtgactgt ggagactgt	ccagcaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt tgatagtctg ctgctacctg ctoctgagag cgaaggtact gggttttcat gcagctcagc gctcctccag gctcctccag gcaccacaagtt gcactgcca	4620 4680 47400 4860 4920 4980 5040 5100 5120 5220 5280 5340
ctggcagccc ttctgggta agcatcaccc ccggccgatc gcggtgcagg accgtggtgg ggcatggcga ctctgcgtgg cacagcctcc ggggcagata tttctctgtg acggcacatg gcagtgata gcagtgata tgcagtgata	cccageggat aactegtagg atgcggggcc tggctgctgg gacacatata acatccaat gcagecacag tgtcctggg accaggagg cccggagat gcccggagat atccgcaaga atccgcaaga atcatatttt gggagcacag	cececgtyc caatygyaag cgttecatyc cacectoato geacactygy ceacaatcag ceacaggtt gacycaccac caaagttyga gaccacyta teagygtyag ggtogatygg ggtoatagac	agoatcaaag caccaggega caccateggeg gtcatcotca gatcogtagg gaaaagcaa agcagcacca agtggcaagc catctcacgg ctcagcactg gcagcgccg tacctcaggg cagcctgtg gggtocttcc	ccagotgaga tgcaggcag gtgaagoctg aagaaggtgo caacatgtgot gcatgoceac aascogcaag ttcagaacot tgtgacagg tgcagotcoc tgacaggtga gcaaggeca tggtggctgt cgagactgta tcotogotot	ccagcaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt tgatagtctg ctcctgagag cgaaggtact gggttttcat gagtcagc gctcctccag cccacaagtt gcactgccac cctctacat	4620 4680 4740 4800 4860 4920 4980 5100 5100 5220 5280 5280 5340 5460
ctgcagcoc ttotgggtta agcatcacc coggcogatc gogtgagg accgtggtg ggcatgoga ctctqcgtg cacagcctc ggggcatt tttctctgt ctctgtgcat acggacatg gcagtgatt gcagtgatt gcagtgatt	cccagcggat aactcgtagg atgcgggcc tggctgctgg gacacatata acatcccaat gcagccacag etgcctgggg accaggcggc tagatggagt gccggaga gggcgggg atccgcagag atcatatttt gggagcacag atcattttt	cececgtyc caatggaag cgttecatge cacctcate gcacactggg ccacaatgg ccacagagtt gacgcaccac aggcagcgc caaagttgga gaccacgta tcagggtgag ggtcatagac ggggtcaca ggggtcaca tcacaggt	agcatcaaag caccaggoga cacgttgacg caccatgggg gtcatcctca gatcogtagg gaaaaagcaa agcagcacca actctcacgg ctcagcactg gcagcaccg tacctcaggg cagcaccg gggtccttco ctcagtgtgtg	ccagctgaga tgcaagcag gtgaaggctg aagaagttgc aacatytgct gcatgccaa atcagcaag tgcagctccc tgaaggtga gcaaggcca tggtggctgt cgagactgta tcctcgctct ctcacaagaa	ccagaccag ctaggtagtc tgccgcagc catgatcata gagttccata tgatagtctg ctcctagaga cgaaggtact ggcttcag cgcaccag cgcaccag cgcaccag cccacaagtt ccaccagag cctctacaat cctccagaa	4620 4680 4740 4860 4920 4980 5040 5160 5220 5280 53400 5460 5520
ctgcagcoc ttotgggtta agcatcacc coggcogatc gogtgagg accgtggtg ggcatgoga ctctqcgtg cacagcctc ggggcatt tttctctgt ctctgtgcat acggacatg gcagtgatt gcagtgatt gcagtgatt	cccagcggat aactcgtagg atgcgggcc tggctgctgg gacacatata acatcccaat gcagccacag etgcctgggg accaggcggc tagatggagt gccggaga gggcgggg atccgcagag atcatatttt gggagcacag atcattttt	cececgtyc caatggaag cgttecatge cacctcate gcacactggg ccacaatgg ccacagagtt gacgcaccac aggcagcgc caaagttgga gaccacgta tcagggtgag ggtcatagac ggggtcaca ggggtcaca	agcatcaaag caccaggoga cacgttgacg caccatgggg gtcatcctca gatcogtagg gaaaaagcaa agcagcacca actctcacgg ctcagcactg gcagcaccg tacctcaggg cagcaccg gggtccttco ctcagtgtgtg	ccagctgaga tgcaagcag gtgaaggctg aagaagttgc aacatytgct gcatgccaa atcagcaag tgcagctccc tgaaggtga gcaaggcca tggtggctgt cgagactgta tcctcgctct ctcacaagaa	ccagaccag ctaggtagtc tgccgcagc catgatcata gagttccata tgatagtctg ctcctagaga cgaaggtact ggcttcag cgcaccag cgcaccag cgcaccag cccacaagtt ccaccagag cctctacaat cctccagaa	4620 4680 4740 4860 4920 4980 5040 5160 5220 5280 53400 5460 5520
ctggcagcoc ttotgggtta agcatcacc coggcogatc goggtgatgg ggcatggcga ctctgcgtgg acaggctoc ggggcagata tttctctgtg ctctgtgca acggcacatg gcatgattc tgtcaggat gtctctctoc ggctcaagg	cocagoggat aatgoggggce tggctgotgg gacacatata acatoccaat gcagocagcggggc accagggggc tagatggag gocoggagat atccagaaga atcatattt gggagcacaa attttcocaaa gcttccagaaga catttagcaca	cececgtyc caatygyaag cgttocatyc caccatygy ccacaatygy ccacaagaft gacgcaccac aggcagcyc caaagttyga gaccacgta tcaggyagyag tcatygya gggctocaa tctcacggt tcacagga	agoatcaaag caccaggoga cacgttyacg coccatggog gtcatcotca gatcogtagg gaaaagcaa agcagcacca actotcacgg cacgcccg tacotcaggg cagocctgtg gggtcottcc ctcagttyat	ccagctgaga tgcaagcag gtgaagcctg aagaaggtgc gcattgoccac aaaccgcaag tcagaacct tgtgcaagc tgcaggtcac tgcaaggtga gcaaggtcac tgtgacagttga tcatggcttc ctagaactgta tcctcgctct ctcacaagaa gcattggctcg	ccagaccag ctaggtagtc tgcccgcagc catgatcata tgatagtctg ctcctgcatctg ctcctgagag cgaaggtact gggttttcat gcagctcagc gcaccaagt gcaccagag ccacaagt gcactggcc cctctacatt cctcccagaa agggggcac	4620 4680 4800 4860 4980 5100 5160 5280 5340 5460 5520 5580
ctgragacoc ttctgggtta agaataaco ceggcegatc geggtgeagg acgtggegg acatgcotc ggggagata tttctctgtg ctctgtgga acggaacatg geagtgatc tgtcaggatt gtcctcctc gggctaagg aggtgactaagg aggtgaactag	cocagoggat a aactegtagg atceggggce tggetgetgg gacacatata acaccecaat gcaccacaa tgtcetgggg accaggggc tagatgggg tagatgggg tagatggga atcegcagat ggceggaga atceatattt gggagcacag atgttccc gcttccagag atgttccc gcttccagag	cececgitge caatgggaag cgttecatge cacctoate gcacactagg cecaatcag ceacaggatt gacgcaccac agcacgcc caaagttgga caccagta tcagggtgag tggctaggg ggtcatagag gggctcca aggggatcca aagggtatca	agcatcaaag caccaggoga cacqttgacg gtcatcctca gatccgtagg gtcatcctca gatagcacca agcagcacca ctcacgga cactctcacgg tacctcacgg tacctcacgg tacctcatgt gggtcettcc ctcagtttgat tgaagcctgt gagagctgag	ccagotgaga tgcaagoag tgaaagctg aagaagetg aacatgtgct aacatgtgct aacatgcaag ttcagaacet tgtgcacag tgcagotcc tgacaggtg gcaagcca tggtgctgt tggtgctgt tcctgacaga ccatcaga ccatcaga gcactcaga tctcaga	ccagaccag ctaggtagtc tgccgcagc catgatcata gagttccatt tgatagtctg ctcctgagag cgaaggtact gggttttcat gcactcagc gcccacagtt gcactgcca ccctacatt cctccagaa agggggaac cctcaaatt cctccagaa agggggaac catgacag catgacaa	4620 4680 4860 4860 4920 5160 5160 5280 5340 5400 5400 5520 5580 5580 5640
ctgragacoc ttctgggtta agaataaco ceggcegatc geggtgeagg acgtggegg acatgcotc ggggagata tttctctgtg ctctgtgga acggaacatg geagtgatc tgtcaggatt gtcctcctc gggctaagg aggtgactaagg aggtgaactag	cocagoggat a aactegtagg atceggggce tggetgetgg gacacatata acaccecaat gcaccacaa tgtcetgggg accaggggc tagatgggg tagatgggg tagatggga atcegcagat ggceggaga atceatattt gggagcacag atgttccc gcttccagag atgttccc gcttccagag	cececgitge caatgggaag cgttecatge cacctoate gcacactagg cecaatcag ceacaggatt gacgcaccac agcacgcc caaagttgga caccagta tcagggtgag tggctaggg ggtcatagag gggctcca aggggatcca aagggtatca	agcatcaaag caccaggoga cacqttgacg gtcatcctca gatccgtagg gtcatcctca gatagcacca agcagcacca ctcacgga cactctcacgg tacctcacgg tacctcacgg tacctcatgt gggtcettcc ctcagtttgat tgaagcctgt gagagctgag	ccagotgaga tgcaagoag tgaaagctg aagaagetg aacatgtgct aacatgtgct aacatgcaag ttcagaacet tgtgcacag tgcagotcc tgacaggtg gcaagcca tggtgctgt tggtgctgt tcctgacaga ccatcaga ccatcaga gcactcaga tctcaga	ccagaccag ctaggtagtc tgccgcagc catgatcata gagttccatt tgatagtctg ctcctgagag cgaaggtact gggttttcat gcactcagc gcccacagtt gcactgcca ccctacatt cctccagaa agggggaac cctcaaatt cctccagaa agggggaac catgacag catgacaa	4620 4680 4860 4860 4920 5160 5160 5280 5340 5400 5400 5520 5580 5580 5640
ctgragacoc ttctgggtta agoatoacoc coggcogatc gogtgagag goatggcga cacagcotoc gggcagata ttttctctgtgca ttttcttgtgca acggcacatg goagtgatto tgtcaggatt gcatgatto tgtcaaggat gggctaaag gggtgactoc ttcaaggagggggggatoc ttcagcoagg	cocagoggat aactegtagg aacegagggg tegggg gacacatata gcagcacaggggg teggggg accaggggg tagatggggg accagaggagt accagogagat tegggagcagagagacagagagagagaggggggggggggg	ceccegtige caatiggaag cgitocatige caccitoate geaccatigg ceccaating ceccaagit gacgacece caagitgga gaccacgta teagigague ggitoatagae ggitoatagae ggitoatagae cecaegit accecagit accecagit accecagit caggitaga ggitoatagae aggitoaca cecaggit cecaaggit ce	agcatcaaag caccaggcga cacgttgacg cacgttgacg cacatgggg gtcatcctca gatccgtagg gaaaagcaa agcagcaag cactctcacgg ctcagcactg gagcacct tacctcagg cagcactgt gggtcacttcc tcaggt tgagcactg cacagttgat tgaagccty cagaaggttg cacagggt	ccagotgaga tgcaagoag tgaaagotg aagaagytgc aacatytgccac aaacogcaag tbcagaacot tgtgcacac tgtgcagc tgaagctccc tgacaagtga ccaggctct ccaggactgt cctagaactt cctcacagaa cagactcagg tgaagactgt tgaagactgt tgaagactgt tgaagacgaag tgaagacgaag agaatcagac	ccagcaccag ctaggtagtc tgcccgcagc catgatcata tgatagtctg ctcctgagag cgaaggtact gggttttcat gggttttcag gggttccag ccacaaggt cacacggccag ccacaaggt cctccagaa agggggaac cctccagaa agggggaac cctccagaa agggggaac cactgacgc	4620 4680 4800 4860 4920 5040 5160 5220 5280 53400 5460 5520 5560 5560 5700
ctgragacoc ttctgggtta agoatcacoc ceggcogatc geggtgegg accgtgftggga ccttgegtgg cacagcetc ggggagata tttctctgty ccttgtgca acggcacatg geagtgattc tgtcacact ggctaagg aggtgactcac tcagcoagg	cocagoggat aactegtagg atcogggce tygotogtog gacacatata acatoccaat gcagocacag tytoctgggg accagogge tagatygag tacegoagag atcogcaaga atcatatttt gggacacag atgttytocc gcttocagag agcatgggg gocoggagt	ceccegtyc caatyggaag cgttocatyc caccatogg cecacateag cecacaggt gacgaccac aggaggcc caagytagg gaccacgta teaggstag ggcatagac tecaggstag ggcatagac tecaggatag ggcatagac tecaggatag tecaggatag tecaaggatac tecaggatag tecaaggatac tecaggatag tecaaggatac tecaggatag tecaaggatac tecaggatag tagatagatac tetagatagac tetagatagac tagatagac tagatagac	agcatcaaag caccaggaga cacqttgaeg cccatgggg dcatcctaa gatcogtagg gaaaagcaa agcagcacg ctcagcactg gcagcactg gcagcactg gagcactgtg gggtcctcaggg cagcactgtg gggtcctcaggg cagcactgtg gggtcctcagagga ctcagaggctg cagaaggctg cagaaggttg ctcagaggg ctcagaggctg cagaaggtg	ccagotgaga tgcaagoag tgaaagoctg aagaagotg aagaagotg aacogcaag tbcagaacot tgtgcacag tgcagotco tgacagotga tgcagotgo tgacagotga ccaagocca tcctcgetot tccacaaga gcactccago tggagogaag aggattagotg ggattgoog	ccagcaccag ctaggtagte tgccgcage catgatcata gagttccatt tgatagtcc tcctgagag cgaaggtact ggagtttcat ggattttcat gcactcage gccacaagt gcactcage ccactacatt cctccagaa aggggacc cactgace tgctctccag ccactacatt	4620 4740 4800 4860 4920 4920 5100 5160 5220 5340 5400 5520 5520 5400 5520 55400 5520 552
ctgragacoc ttctgggtta agoatcacoc ceggcogatc geggtgegg accgtgftggga ccttgegtgg cacagcetc ggggagata tttctctgty ccttgtgca acggcacatg geagtgattc tgtcacact ggctaagg aggtgactcac tcagcoagg	cocagoggat aactegtagg atcogggce tygotogtog gacacatata acatoccaat gcagocacag tytoctgggg accagogge tagatygag tacegoagag atcogcaaga atcatatttt gggacacag atgttytocc gcttocagag agcatgggg gocoggagt	ceccegtyc caatyggaag cgttocatyc caccatogg cecacateag cecacaggt gacgaccac aggaggcc caagytagg gaccacgta teaggstag ggcatagac tecaggstag ggcatagac tecaggatag ggcatagac tecaggatag tecaggatag tecaaggatac tecaggatag tecaaggatac tecaggatag tecaaggatac tecaggatag tecaaggatac tecaggatag tagatagatac tetagatagac tetagatagac tagatagac tagatagac	agcatcaaag caccaggaga cacqttgaeg cccatgggg dcatcctaa gatcogtagg gaaaagcaa agcagcacg ctcagcactg gcagcactg gcagcactg gagcactgtg gggtcctcaggg cagcactgtg gggtcctcaggg cagcactgtg gggtcctcagagga ctcagaggctg cagaaggctg cagaaggttg ctcagaggg ctcagaggctg cagaaggtg	ccagotgaga tgcaagoag tgaaagoctg aagaagotg aagaagotg aactgtgccac gcatgccac ttcagaacot tgtgcacag tgcagotcc tgacaggtga gcaagocca tcetcgetot tctcacaaga gcactccago tggagogaag aggattagotg	ccagcaccag ctaggtagte tgccgcage catgatcata gagttccatt tgatagtcc tcctgagag cgaaggtact ggagtttcat ggattttcat gcactcage gccacaagt gcactcage ccactacatt cctccagaa aggggacc cactgace tgctctccag ccactacatt	4620 4740 4800 4860 4920 4920 5100 5160 5220 5340 5400 5520 5520 5400 5520 55400 5520 552
ctggagacoc ttctgggtta agoatoacoc coggogatc gogtgagag goatggaga ctctgcgtg gacagacta ttttcttgtg ttttgtgca acggacatg gagtgatta tgtcaggat tgtcaggat gtgactoc ttcagcagg aggtgactoc ttcagcagg cagaccatg caggctcaagg aggtgactoc ttcagcagg cagaccatg	cocagoggat aactegtagg atgogggggggggggggggggggggggggggggg	ceccegtige caatgggaag cgtteatige caccatggg cacaatgag cacaatgag cacaagagtag acacaggtag gaccacaggt gaccacaggt gaccacgga ggcatagagc teagggg ggtatagag ggggttoca tetcacaggt cacaggaaac aagggtetcac tetgaggaaac tagatgagg cacagtagtagaac aagggtetcaca tetgagcac tagataggaac aagggtetcaca	agcatcaaag caccaggcga cacqttgacg gtcatcctca gatacgtagg gaaaaagcaa agcagcacca agtggcacg ctcagcactg gcagcgcocy tacctcaggg cagcoctgtg gggtccttcc ctcagttgat tgaagcctgc cagaagggtc cagcacgaga gagcacgagaaggagaacctga gaaccctgca	ccagotgaga tgcaagotgag tgaaagoctg tgaatgccae aaaccgcaag ttcagaacct tgtgcacag tgcagctga gcaaggcca tggtggtgt cgagactgta cgagactgta cacacagaa gcatceggtc tggagactgta gcatceggtc tggagactgta gcatceggtc tggagactgagagagagagagagagagagagagagagaga	ccagaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt tgatagtct ctccatcctg ctccatcctg ctgcatcctg ctgcatcctg ctgcatcctg cgaaggtact ggatttcat gcatctagc cctctacagg cctctccag cctctcaagg catgacg cattgacgc cattgacgc cattgacgc ccattaagc cattgacgc	4620 4740 4800 4860 4920 4920 5100 5160 5220 5340 5340 5520 5580 5640 5700 55820
ctgragacoc ttctgggtta agoataacoc coggcogatc goggtgaggg acctggtgg gcatggga ctctgctgg acagcetoc gggcagata tttctctgtg ctctgtgga acggcactt tgcctctcggg gcatgattc tgcctcagggt tgcctcaggg aggtgactcagg aggtgactcagg cttggggtcc cttcaggactc cttcaggactc cttcaggaccet cttcaggagcoc ctcaggagcoc ctcaggagcoc ctcaggagcoc ctcaggagcoc ctcaggagcoc ctcaggagcoc ctcaggagcoc ctcaggagcoc	cocagoggat a aactogtagg atgoggggco tygotgotgg gacacatata acatocaagoggc tagatogaggggg acagogggg acagogggg atcogcagg atcogcagg atcogcagg attetteagag agcatyggococttcaagag occttcaagag cocttcaagag acagoggg cotttcaagag acagoggg	cccccgtyc caatyggaag cgttocatyc caccatogg ccacaatogg ccacaatogg ccacaaggt gacgaccac agrcaggcc caasgttyga gaccacgta ggtcatagac gggtctcca ggggctcca agggtccca cagggactcca tctcacggt cacaggaac catggaac catggacac tcggacaccacgta ggcacacgta cacaggaac cacaggaac catggacacc gggctcca gggcaccac gggacacacaggaac cacaggaacac gggacacaaatoc ggacgtccaaatoc	agcatcaaag caccaggoga cacgttgacg gtcatcctca agtagcaca agtagcaca agtagcaca agtagcaca actctaggg caccatcagg caccatcagg cagcactgt gggtcattc ctcagtgat tgaagcctgt cagaagctg ctcagagac ctcagagac ctcagagac ctcagagac ctcagagac ctcagagac cagacctgc agaagcaca	ccagotgaga tgcaagoag gtgaaagoctg gtgaaagotg aagaaggtgc aacatgtgot ttcagaaacot tgtgcacagg gcaaggcca tgcaggtca gcaaggcca tgcagactgta tcctcgctct ctcacaagaa gcactccggc aggactggaga gagatcagog aggacgagag aggaccagot aggaccagot atgtagoog aggaccagot atgtagoog	ccagaccag ctaggtagto tgcccgcagc catgatcata gagttccatt tgatagtcg ctccatcctg ctgcatcctg gggttttcat goggctagc gcaggtagg ccaaggtagg ccaaggtagg ccacaggt ccatcacagga cccacaggt cctccagaa agggggcac cctctacatt cctccagga agggggcac cactgacgc tgcctcctg ccatctcac aggggtggac cagaggtagga agggggaga cagaggggaa cagaggtggaa agggggggag cactcacg ccatctacac gaggctggaa adccgcat catccaca	4620 4740 4860 4920 4980 55100 5160 5220 5340 55520 55520 5560 5700 5760 5760 5782 5782 5782 5782 5782 5782 5782 5782
ctgragacoc ttctgggtta agoataacoc coggcogatc goggtgaggg acctggtgg gcatggga ctctgctgg acagcetoc gggcagata tttctctgtg ctctgtgga acggcactt tgcctctcggg gcatgattc tgcctcagggt tgcctcaggg aggtgactcagg aggtgactcagg cttggggtcc cttcaggactc cttcaggactc cttcaggaccet cttcaggagcoc ctcaggagcoc ctcaggagcoc ctcaggagcoc ctcaggagcoc ctcaggagcoc ctcaggagcoc ctcaggagcoc ctcaggagcoc	cocagoggat a aactogtagg atgoggggco tygotgotgg gacacatata acatocaagoggc tagatogaggggg acagogggg acagogggg atcogcagg atcogcagg atcogcagg attetteagag agcatyggococttcaagag occttcaagag cocttcaagag acagoggg cotttcaagag acagoggg	cccccgtyc caatyggaag cgttocatyc caccatogg ccacaatogg ccacaatogg ccacaaggt gacgaccac agrcaggcc caasgttyga gaccacgta ggtcatagac gggtctcca ggggctcca agggtccca cagggactcca tctcacggt cacaggaac catggaac catggacac tcggacaccacgta ggcacacgta cacaggaac cacaggaac catggacacc gggctcca gggcaccac gggacacacaggaac cacaggaacac gggacacaaatoc ggacgtccaaatoc	agcatcaaag caccaggoga cacgttgacg gtcatcctca agtagcaca agtagcaca agtagcaca agtagcaca actctaggg caccatcagg caccatcagg cagcactgt gggtcattc ctcagtgat tgaagcctgt cagaagctg ctcagagac ctcagagac ctcagagac ctcagagac ctcagagac ctcagagac cagacctgc agaagcaca	ccagotgaga tgcaagoag gtgaaagoctg gtgaaagotg aagaaggtgc aacatgtgot ttcagaaacot tgtgcacagg gcaaggcca tgcaggtca gcaaggcca tgcagactgta tcctcgctct ctcacaagaa gcactccggc aggactggaga gagatcagog aggacgagag aggaccagot aggaccagot atgtagoog aggaccagot atgtagoog	ccagaccag ctaggtagto tgcccgcagc catgatcata gagttccatt tgatagtcg ctccatcctg ctgcatcctg gggttttcat goggctagc gcaggtagg ccaaggtagg ccaaggtagg ccacaggt ccatcacagga cccacaggt cctccagaa agggggcac cctctacatt cctccagga agggggcac cactgacgc tgcctcctg ccatctcac aggggtggac cagaggtagga agggggaga cagaggggaa cagaggtggaa agggggggag cactcacg ccatctacac gaggctggaa adccgcat catccaca	4620 4740 4860 4920 4980 55100 5160 5220 5340 55520 55520 5560 5700 5760 5760 5782 5782 5782 5782 5782 5782 5782 5782
ctgragacoct ttctgggtta agcatcacce coggocgatc goggtgaggg accttggtg ggcatggcga acctgggagata tttctctgtg accagacta ttctctgtgea acgasttc tgcatgatt gcctccto ggctcaagg aggtgactoc ttcagcagg cagaccatg gagcacctgg cagagaccatg cagagaccatg cagagaccatg	cocagoggat aactogtagg atgoggggco tygotyg gacacatata cagocacag tytectggg accagoggg accagoggg accagoggag accagoggag accagoggag atcagcaga atcagcaga atcagagaa atcagaga ggagacaag atgttgtcoc gcttcagag agcatygggc cottycaggg actggaggt agcaggtggg actggaggt agcaggtggg actggaggc atcagaggaggt agcaggtggg actggaggc atcagaggaggt agcaggtggg actggaggc attgaggga	cccccgtgc ccattggaag cgtttcatgc caccattgg ccacaattgg ccacaatcag ccacaggtc agccacca agcaccac agcaccac ggaccac tcaggtgag gaccaccattgg ggctatagac tcacggac tcacaggatcac tctcacggat tcacaggaaac agggtctca tctacaggat tgtagcagc tctagtagc gacagtaatagac cacaggaaac aagggtctcc tgtagcagc tagtagcag aacagatagtagaac aaggtatca	agcatcaaag caccaggcga cacqttgacg caccatggg gtcatcctca gatacgtagg gaaaagcaca agtggcacg catctcaggg cagcactg geagcgcog gggtccttc ctcagtgga cagcactgtga tgaagctgg cagcactgg cagcactgg cagcaggtgc cagaaggtg cagcaggagga cagcacctga cagcagcacgaagagagaacctgacacagaagcaca gaagcacacaacatacttgg	ccagotgaga tgcaagocag tgaaagectg tgaagectg caaetytgot tcagaacet tgtgcacag tcagaacet tgtgcacag tgcagetga tgcagetga tgcagetga tgcagetga tgcagetgt cgagactgta tgctgctgt cgagactgta tgcacagg tgaagecaga tgcacagg tgaagegaag aggatcagct tggagegaag tgagttgcgg tggagetgag tggagetgag tggagetgag tggattgcgg tggagttgcgg tggagttgcgg tggattgcga tgtagtcag tgtag tgtagtcag tgtagtcag tgtagtcag tgtagtcag tgtagtcag tgtagtcag tgtagtcag tg	ccagcaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt gtcatcctg ctgcatcctg ctgcatcctg ggttttcat gggttttcat ggttctcag gctcctcag gctcctcag gctcctcag gcccacag cccacag cccacag cccacag cctctcag cctctcag cctctcag ccattgag ccattgag ccattgag ccattgag cattgag cattcag cattgag cattgag cattcag cattgg cattcag cattgg cattcag cattgg cattcag cattgg cattgg cattgg cattcag cattgg cat	4620 4740 4860 4920 4980 5100 5120 5220 5240 5540 5540 5520 5540 5520 5540 5520 5540 5520 5540 5520 5540 5520 5540 5520 5540 554
ctgragacoct ttctgggtta agcatcacce coggocgatc goggtgaggg accttggtg ggcatggcga acctgggagata tttctctgtg accagacta ttctctgtgea acgasttc tgcatgatt gcctccto ggctcaagg aggtgactoc ttcagcagg cagaccatg gagcacctgg cagagaccatg cagagaccatg cagagaccatg	cocagoggat aactogtagg atgoggggco tygotyg gacacatata cagocacag tytectggg accagoggg accagoggg accagoggag accagoggag accagoggag atcagcaga atcagcaga atcagagaa atcagaga ggagacaag atgttgtcoc gcttcagag agcatygggc cottycaggg actggaggt agcaggtggg actggaggt agcaggtggg actggaggc atcagaggaggt agcaggtggg actggaggc atcagaggaggt agcaggtggg actggaggc attgaggga	cccccgtgc ccattggaag cgtttcatgc caccattgg ccacaattgg ccacaatcag ccacaggtc agccacca agcaccac agcaccac ggaccac tcaggtgag gaccaccattgg ggctatagac tcacggac tcacaggatcac tctcacggat tcacaggaaac agggtctca tctacaggat tgtagcagc tctagtagc gacagtaatagac cacaggaaac aagggtctcc tgtagcagc tagtagcag aacagatagtagaac aaggtatca	agcatcaaag caccaggcga cacqttgacg caccatggg gtcatcctca gatacgtagg gaaaagcaca agtggcacg catctcaggg cagcactg geagcgcog gggtccttc ctcagtgga cagcactgtga tgaagctgg cagcactgg cagcactgg cagcaggtgc cagaaggtg cagcaggagga cagcacctga cagcagcacgaagagagaacctgacacagaagcaca gaagcacacaacatacttgg	ccagotgaga tgcaagocag tgaaagectg tgaagectg caaetytgot tcagaacet tgtgcacag tcagaacet tgtgcacag tgcagetga tgcagetga tgcagetga tgcagetga tgcagetgt cgagactgta tgctgctgt cgagactgta tgcacagg tgaagecaga tgcacagg tgaagegaag aggatcagct tggagegaag tgagttgcgg tggagetgag tggagetgag tggagetgag tggattgcgg tggagttgcgg tggagttgcgg tggattgcga tgtagtcag tgtag tgtagtcag tgtagtcag tgtagtcag tgtagtcag tgtagtcag tgtagtcag tgtagtcag tg	ccagcaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt gtcatcctg ctgcatcctg ctgcatcctg ggttttcat gggttttcat ggttctcag gctcctcag gctcctcag gctcctcag gcccacag cccacag cccacag cccacag cctctcag cctctcag cctctcag ccattgag ccattgag ccattgag ccattgag cattgag cattcag cattgag cattgag cattcag cattgg cattcag cattgg cattcag cattgg cattcag cattgg cattgg cattgg cattcag cattgg cat	4620 4740 4860 4920 4980 5100 5120 5220 5240 5540 5540 5520 5540 5520 5540 5520 5540 5520 5540 5520 5540 5520 5540 5520 5540 554
ctgragacoc ttctgggtta agoataacoc coggeogate goggtgaggg acctggtgg goatggega ctctgtggca acggeoagta tttctctgtg goatgatt tgcatctc gggetaagg aggtgacte ttcagoagg aggtgactcagg cagaccatg cttggggtc cagaccatg cttggggc cagaccatg gggeacagta	cocagoggat a aactogtagg atgoggggco tggctgdggggco acatata acatocaaggggco tagatggagt gocoggagat atcogaaga atcatttt gggagcacag atgogagagaagatggggggggggggggggggggggg	ececegtyce caatyggaag egitteatyc caccatygg caccactagg caccacaggit gacgaccac aggcaccac aggcaggcc caaagttyga gaccacgta teagggtyag tycatygga gyctatagac gygtatagac tetcacggt cacaggaac tetcacggt cacaggaac tetcacggt cacaggaac catygaagcac gyggtacca agggateca gygagtacca gyggateca agggttac gygagtacaa agggttac gyaggac attagacac gyacytygag attyggga attyggga attyggga attyggga attygaggac gyggggag attygaggac gygggggaa gyggggac gygggggaa gyggggac gygggggaa gygggggaa	agcatcaaag cacqttgacg cacqttgacg gtcatcctca agtaggagacaca agtaggagacaca agtaggaagc actctaagg gaaaagcaca agtagcacg caccatcaggg cagcacttaggagt caccaggact gagtcottcc cagagact gagtcottc cagagact cagaagctgg ctcagagac agaacctga	ccagotgaga tgcaagocag tgsaagoctg aagaaggtgc aacatgtgot ttcagaacot tgtgcacagg gcaaggccca tggtgctccc tgacaggtga gcaaggcca tgctggctgt toctcactagea toctcagotot tocacaagaa gcactcoggo tggagcgaag aggatcagot ggagtggagaag aggacagot aggaccagot aggaccagot aggacgagaag aggaccagot atgtaggocgaag aggaccagot atgtaggocgaag aggaccagot atgtagtogtago	ccagaccag ctaggtagto tgcccgcage catgatcata gagttccatt tgatagtcg ctccatcctg ggttttcat goggttttcat goggtctcag cocacagti goatccag ccacagga ccacagga ccacagga ccacagga cctctacat cctccagaa agggggcac cctctacat cctccagaa agggggcac cactgacgc tgcctcctg cactgccac cactgacgc tgcctcctg cactgcac gaggctggaa aaccggag aacctgtggt aacctgtggt	4620 4740 4860 4920 4920 5040 5100 5220 5280 5460 55280 5540 55280 5540 55280 5540 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 55280 5
ctgraagcoc ttctgggtta agcatcaccc coggcogatc goggtgaagg accttggtg ggcatggcga ctctgcgtg cacagcctcc ggggcagata ttttctctgtg ttctctctgtg ttctctctgtg tgcaccatta ggctcaagg aggtgactcc ttcagcagg cagaccattg cttggcaccatta ctcagggcc cccacctgg ggaccatta ggaccatta ggaccatta ggaccatta ggaccatta ggaccatta ggaccatta ggaccatta ggacagtta ggacagtta agaataagag ggacagtta ggacagtta ggacagtta ggacagtta ggacagtta ggacagtta ggaataagag ggacagtta ggaataagag ggacagtta gaataagag	cocagoggat aacoggggco tygotgotggggco tygotggggggggggggggggggggggggggggggggg	cccccgtyc caatygraag cgttecatyc caccatoate gcacaatyag ccacaagagt gacgcacca gaggcacca gaggcacac gaggctoa tcaggytga tcaggytga tcaggytaa tcacagga cacagta cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacaga cacagga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga cacaga	agcatcaaag caccaggoga cacgttgaeg gtcatcotca ggggatcatcatcagg gaaaagcaca agtagcacca agtagcacca catctcaggg ctcagcacca gagcaccaca gggcaccac agtagcaccac agagcaccac agagcaccac agagcaccac gaaacctacca gagacctggaagcacc gaaaccatcaca gagacctggaagcacc gaaaccatcacc gaaagcacc gaaaccaccagaaccacc gaaaccaccagaaccaccacacaca	ccagotgaga tgcaagoag tgaaagoctg aagaaggtga aagaaggtga aagaaggtga tcagaacog tgaagoccag tgaagoccag tgaagoccag tgaagoccag tgaagoccag tgaagoccag tgaagoccag tgaagocag tgaagogaag aggatcagoc tgaagogaag aggatcagoc tgaagogaag aggatcagoc tgaagogaag aggatcagoc tgaagogaag tgaagocago tgaagogaag tgatgagog tgaagocago tgaagtgag tgag	ccagaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt tgatagtcg ctcctagaga cyaaggtacg gagttttaa gagttttaa ggtttttaa ggtttttaa gggtttttaa gggtttttaa gcaccag ccactgaga cccacagt ccccagaa auggggac cactgagac gagaggagag	4620 4740 4860 4920 4920 5160 5120 5340 5520 5340 55400 55580 5760 5760 5760 5780 6060
ctgraagcoc ttctgggtta agcatcaccc coggcogatc goggtgaagg accttggtg ggcatggcga ctctgcgtg cacagcctcc ggggcagata ttttctctgtg ttctctctgtg ttctctctgtg tgcaccatta ggctcaagg aggtgactcc ttcagcagg cagaccattg cttggcaccatta ctcagggcc cccacctgg ggaccatta ggaccatta ggaccatta ggaccatta ggaccatta ggaccatta ggaccatta ggaccatta ggacagtta ggacagtta agaataagag ggacagtta ggacagtta ggacagtta ggacagtta ggacagtta ggacagtta ggaataagag ggacagtta ggaataagag ggacagtta gaataagag	cocagoggat aacoggggco tygotgotggggco tygotggggggggggggggggggggggggggggggggg	cccccgtyc caatygraag cgttecatyc caccatoate gcacaatyag ccacaagagt gacgcacca gaggcacca gaggcacac gaggctoa tcaggytga tcaggytga tcaggytaa tcacagga cacagta cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga cacagga	agcatcaaag caccaggoga cacgttgaeg gtcatcotca ggggatcatcatcagg gaaaagcaca agtagcacca agtagcacca catctcaggg ctcagcacca gagcaccaca gggcaccac agtagcaccac agagcaccac agagcaccac agagcaccac gaaacctacca gagacctggaagcacc gaaaccatcaca gagacctggaagcacc gaaaccatcacc gaaagcacc gaaaccaccagaaccacc gaaaccaccagaaccaccacacaca	ccagotgaga tgcaagoag tgaaagoctg aagaaggtga aagaaggtga aagaaggtga tcagaacog tgaagoccag tgaagoccag tgaagoccag tgaagoccag tgaagoccag tgaagoccag tgaagoccag tgaagocag tgaagogaag aggatcagoc tgaagogaag aggatcagoc tgaagogaag aggatcagoc tgaagogaag aggatcagoc tgaagogaag tgaagocago tgaagogaag tgatgagog tgaagocago tgaagtgag tgag	ccagaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt tgatagtcg ctcctagaga cyaaggtacg gagttttaa gagttttaa ggtttttaa ggtttttaa gggtttttaa gggtttttaa gcaccag ccactgaga cccacagt ccccagaa auggggac cactgagac gagaggagag	4620 4740 4860 4920 4920 5160 5120 5340 5520 5340 55400 55580 5760 5760 5760 5780 6060
ctgragacoc ttctgggtta agoatcacoc coggogatc gogytcasgg acottggtgg gogata tttctctgtg ctctgruga tttctctgtg ctctgruga tttctctgtg ctctgruga agggaata goagtgatc tgcagat tgcacac gggctaaagg aggtgatca tgcacac tgggctaaagg aggtgactoc tcagcaagg agggaacaa tggaccac tggaccac gggctaaagg agggaacaa agggacaaagg agggaacaa agggacaaagg aggaacaagg aggacaagg aggacaagg aggacaacg aggacaacgagg aggacaacgagg aagaaggaa aaaaagagg ggacaagta gaaatagaagg atccaaatct gaacaaatca	cocagoggat aaactegtagggee tygotgotggggee tygotgggggggggggggggggggggggggggggggggg	cccccgtgc caatggaag cgttcatgo cacctoat gcacactggg cacactggg cacactga acquaccac aggacgcc caagttgg ggccacgta tcagggtgag ggcatagac tcacaggta tcacaggatac tcacaggatac tcacaggatac tcacaggatac cacaggatac tcacaggatac tcacaggatac cacaggatac ggcccac tcacaggatac cacaggatac cacaggatac gaccacacagat tagacacac ttagacaac ttagacaac ttagacaac ttagacaac ttagacaac ttagacaac cacaggatacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacaggacaac cacagacaac cacagacaac cacagacaac cacagacaac cacagacaac cacagacaac cacagacaac cacagacaac cacagacaac cacagacaac cacagacaac cacagacaac cacagacaac cacagacaac cacagacaac cacagacaac cacagacaac cacagacaac cacagacaac cacacaca	agcatcaaag caccaggega cacqttgaeg gtcatcctca ggggtcatcctca agcagcacg cacqtcacga agcagcacg ctcaggacctg gggtccttcc ctcaggg cagcctgt gggtccttc ctcaggg cagcctgt gggtccttc ctcagtgg cagcacg gggtccttc ctcagtgg cagcacg gggtccttc ctcagtgg cagcacg gggtccttc ctcagtgga ctcagaggac ggacctgg gggt ggacctgg	ccagotgaga tgcaagcag tgsaagcetg aagaaggtgc aacatgtoote gatogagetgagetgagetgagetgagetgagetgagetg	ccagaccag ctaggtagtc tgccgcagc catgatcata gagttccatg gagttccatg tgcagtaccag gagttccatg gagttact ggagttact ggagttact gcagtcagc gccacaagt gcactagc ccacaagt gcactgacca cctctacat cctcccagaa aggggaac catgacgc aggggaac catgacgc aggggaac aactgacgc aggggaac aactgacgc aggggaac aactgacgc aggggaac aactgacgc aggggaac aactgacgc aagggggaac aactgacgc aaggggaac aactgacgc aaggggaac aactgacgc aaggggaac aacaggggaac aacaggggaac aacaggggaac aacaggggaac aacaggggaac aacaggggaac aacaggggaac aggggaac agggggacgc agggggacgc agggggacgc agggggacgc	4620 4740 4860 4980 5040 55160 55220 55340 55520 55460 5560 5760 5760 5880 6060 6060 60120
ctgragacoct ttetgggtta agoatcacec coggogate goggtgaggg accttggtgg goatggga acctgggaata tttetetgtg accagotco gogcaata tttetetgtg tototete gogctaaggatt ttetetetgtg goatggatt ttetetetgtg goatgatt ttetetetgtg gogctaagg aggtgactec ttoagoagg cagaccattg ggaccattg ggacacttg ggacacttg ggacacttg ggacacttg ggacacttg ggacacttg ggacacttg	cocagoggat aacacacacacacacacacacacacacacacacacac	coccopying caatyggag cyttocatyg cyttocatyg cycacatyggag cyttocatyg cacacitag cycacatyggag cocacaitag cocacaitag cocacaitag cocacaitag cocacaitag cocacaitag cocacaitag cocacaitag cocacaitag cycacacaitag cycacacaitag cycacacaitag cycacacaitag cycacacaitag cycacacaitag cycacacacaitag cycacacacacacacacacacacacacacacacacacac	agcatcaaag caccaggoga cacgttgaeg gtcatcotca ggggatcatcatca ggatcagtagg gaaaagcaca agtagcacca agtagcacga catctcacgg ctcagcacg gagaccctgag gggtccttcc ctcagttgat tgagccttga cagaagcctgag cagaagcctgag cagaagcctgag cagaagcctgag cagaagcctgag cagaacctgag cagaacctgag cagaacctgag gaacctggg gaacctggg gaacctggg gaacctgg gaacctacc gaaggagg gaacctacc gaaggagg gaacctacc ggagactacac ggggactact ggggtgtttc catcataaga	ccagotgaga tgcaagoag tgaaagoctg tgaaagoctg caacatgtgot tcagaacot tgtagcacag tgaagoct tgagctcocac tgagcacag tgaagccoc tgagcacag tgaagccoc tgagcacag tgtagcacag tgtagcacag tgtagcacag tgtagcacag tgtagcacag tgtagcacag tgtagcacag tgttagcacag tgttagcacag tgttagcacag tgttagcacag tgttagcag	ccagaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt tgatagtcg ctcctagaag cyaaggtacg cyaaggtacg cyaaggtacg ccacagti ccacagti ccacagti ccacagga ccacagti ccacagga ccacagga ccacagga ccacagga ccacagga ccacagga cacagga cacaga cacagga cacag cacaga cacaga cacaga cacag cacaga cacag cacag cacag cacag caca cacag cacag caca caca caca caca cacag caca c	4620 4740 4860 4920 4920 55040 55160 55220 55280 5460 55520 5580 5700 5640 5700 5640 5640 5700 5640 5640 5640 5640 5640 5640 5640 56
ctgragacoct ttetgggtta agoatcacec coggogate goggtgaggg accttggtgg goatggga acctgggaata tttetetgtg accagotco gogcaata tttetetgtg tototete gogctaaggatt ttetetetgtg goatggatt ttetetetgtg goatgatt ttetetetgtg gogctaagg aggtgactec ttoagoagg cagaccattg ggaccattg ggacacttg ggacacttg ggacacttg ggacacttg ggacacttg ggacacttg ggacacttg	cocagoggat aacacacacacacacacacacacacacacacacacac	coccopying caatyggag cyttocatyg cyttocatyg cycacatyggag cyttocatyg cacacitag cycacatyggag cocacaitag cocacaitag cocacaitag cocacaitag cocacaitag cocacaitag cocacaitag cocacaitag cocacaitag cycacacaitag cycacacaitag cycacacaitag cycacacaitag cycacacaitag cycacacaitag cycacacacaitag cycacacacacacacacacacacacacacacacacacac	agcatcaaag caccaggoga cacgttgaeg gtcatcotca ggggatcatcatca ggatcagtagg gaaaagcaca agtagcacca agtagcacga catctcacgg ctcagcacg gagaccctgag gggtccttcc ctcagttgat tgagccttga cagaagcctgag cagaagcctgag cagaagcctgag cagaagcctgag cagaagcctgag cagaacctgag cagaacctgag cagaacctgag gaacctggg gaacctggg gaacctggg gaacctgg gaacctacc gaaggagg gaacctacc gaaggagg gaacctacc ggagactacac ggggactact ggggtgtttc catcataaga	ccagotgaga tgcaagoag tgaaagoctg tgaaagoctg aagaaggtga aagaaggtga aacatgtgot ttcagaacot tgtagcacagg tgaagctcoc tgaaaggtga tgaagctcoc tgaaaggtga tgaaggtcoc tgaaggtga toctogtagcacaga tgaatcagct tgagatcagct tgagatgaga	ccagaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt tgatagtcg ctcctagaag cyaaggtacg cyaaggtacg cyaaggtacg ccacagti ccacagti ccacagti ccacagga ccacagti ccacagga ccacagga ccacagga ccacagga ccacagga ccacagga cacagga cacaga cacagga cacag cacaga cacaga cacaga cacag cacaga cacag cacag cacag cacag caca cacag cacag caca caca caca caca cacag caca c	4620 4740 4860 4920 4920 55040 55160 55220 55280 5460 55520 5580 5700 5640 5700 5640 5640 5700 5640 5640 5640 5640 5640 5640 5640 56
ctgragacoct ttctgggtta agoatcacce coggocgatc gogytcasgg goatcaggtgg goatcaggtac cacagcotac gggcagata tttctctgtgca agggaactg cctgtaggatt gcagtgattc tgcaggatt gcagtgattc ttcagcagg agggacacaggatgactoc ttcagcaagg aggaccatg cagaccatg aggaccatg aggaccatg aggaccatg aggaccatg agagaccatg agagaccatg agagaccatg agagaccatg agagagaccatga agagagaccatga agaacaaggacaaggaaga agaagacatga agaagacatga agaagacatga agaagacatga agaagacatga agaagacatga	cocagoggat a actogoggate tygotogoggate acatogat ag accapagate accapacagate accapaca	coccotyce coccotyce coccotyce canalygyaga cyttocatyc canactaryce coccotyce coccotactaryce coccot	agcatcaaag caccaggoga cacqttgaeg gtcatcctca ggggatcatctca ggatcactgagg gtcatcacaa agcagcaca qcagcactg cacctcaggg cagcoctgt cacctaggg cagcoctgt cacctaggg cagcoctgt cacctaggg cagcoctgt caccaggg cagcoctgt caccaggg cagcoctg caccaggagactg caccaggagacg caccaggagacgacactg caccaggagacgacactg caccaggagacgacacacacacacacacacacacacac	ccagotgaga tgcaagcag tgaaagcetg tgaagcetg aagaaggtg aacatgtoot gaatgcocaa tgatgcocaa tcagaacet tgtgcacagg tgcagotcoc tgacaggtg gcaagtcoc tgacaggtg gcaagtcoc tgacaggtg tgcagactgta tcctcgctc tccacaagaa tgcatcaggt tggagogaag tgagagcaga tggagogaag tgagagcaga tggagogaag tgagagcaga tggagogaag tggagogag tggagogag tggagogag tggatgugg tccttgacaa tgttgacag tcttgacaa tcttgacaa tcttgacaa tcttgacaa	ccagaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt gagttccatt tgccccagagc tgcagaggtact ggcgtttcat ggagttact ggctttcat ggctttcat ggctttcat gcactagca cccaagat gcactgcca cctccagaa actgcca tgcctccaga tgcctccagaa agggggac cattgacca tgcctctcaga tgcctctagac cattgacqc cattagacqc cattgacqc cattagacqc cattagacqc cattagacqc cattagacqc cattagacqc cattagacqc cattagacqc cattaacacacacacacacacacacacacacacacaca	4620 4740 4800 4740 4860 4920 5040 5160 5220 5340 5520 5520 5580 5580 55820 55820 55820 5640 6060 6120 6120 6120 6240
ctgragacoc ttctgggtta agoatcacoc coggoogatc goggtgagg accttggtg ggcatggcga accttggtg gacatggcga ttttctctgtg tttctctgtg tttctctgtg tttctctctgtg tcctggaata aggcacat tttctctgtg tcctggaata tttctctgtg tcctggaata aggtgactc tggactaagg aggtgaccat tcaggaccat gagaccat gagaccat gagaccat gagaccat gagaccat gaaccat gagaccat gaacagta acaagcagacaa agaagacaat acaaacaa agaagagaca acaagag accaataa acaagagagaca acaagagagacaa acaagagagacaa acaagagagacaa acaagagagacaa acaagagagacaa acaagagagacaa accaagagagag	cocagoggat aactogtaggagcotgagagagagagagagagagagagagagagagagagaga	coccopying cast-property control of the control of	agcatcaaag caccaggoga cacgttgaeg gtcatcotca ggggatcatcatcagg gaaaaagcaa agtaggaagc actctcacagg ctagacgacga cactctcacgg ctagacgacg caccatggg ctagacgacg caccatggg ctagacgacg caccatggg ctagacgacg caccatggg cagacgacg cagacctacg cagacgacg caccacg gaagcacc acaggag gatctacacc acaggag cactacac cacagag cactacac cacagag cactacac cacagag caccacc cacagag caccac caccac caccac caccac caccac caccac	ccagotgaga tgcaagocag tgsaagoctg tgaagoctg caagacgtgcaacagocagacgcag tcagaacoct tgsagctcocac tgsagctcoc tgaaggtga tcagaggtga tcagaggtga tcagaggtga tcagaggtga tcagaggtga tgagcaaga tgatcagct tgagttagca tggagcaaga tgatcagct tgagttagcaga tgattagcag tggagcaga tgttagtaga tgttagtaga tgttgagcag tgttgagcag tgttgagcag tgttgagca tgttgagcag tgttgagcag tgttgagcag tgttgagcag tgttgagcag tgttagcag tgttagtag tgttgagcag tgttagtag tgttgagcag tgttagtag tgttgagcag tgttagtag tgttgagcag tgttagtag tgttgagcag tgttagtag ccaggacg caggacg caggacg gagttgagg caggacg gagttgagg caggacg gagttgagg caggacg gagttgagg caggacg gagttgagg caggacg gagttgagg	ccagaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt tgatagtcg ctccatectg ctgcatectg gggttttcat gggttttcat gggttttcat gagtttcat cacacag ccacag ccacag ccacag ccactgaga catcag cactgaga catcacag gggtaga catcag cactgaga catcag cactgaga catcag cag cgagttgga ggggatga gggaga gggaga gggggtg ggggggtg catcacacag gggggttg catcacacag gggggttg catcacacag gggggata	4620 4740 4840 4860 4920 5040 5140 5160 5160 5160 5340 5460 55280 5540 55640 5580 5740 5740 5860 5860 6060 60120 60120 60120 60120 6030 6030
ctgragacoc ttctgggtta agoatcacoc coggoogatc goggtgagg accttggtg ggcatggcga accttggtg gacatggcga ttttctctgtg tttctctgtg tttctctgtg tttctctctgtg tcctggaata aggcacat tttctctgtg tcctggaata tttctctgtg tcctggaata aggtgactc tggactaagg aggtgaccat tcaggaccat gagaccat gagaccat gagaccat gagaccat gagaccat gaaccat gagaccat gaacagta acaagcagacaa agaagacaat acaaacaa agaagagaca acaagag accaataa acaagagagaca acaagagagacaa acaagagagacaa acaagagagacaa acaagagagacaa acaagagagacaa acaagagagacaa accaagagagag	cocagoggat aactogtaggagcotgagagagagagagagagagagagagagagagagagaga	coccopying cast-property control of the control of	agcatcaaag caccaggoga cacgttgaeg gtcatcotca ggggatcatcatcagg gaaaaagcaa agtaggaagc actctcacagg ctagacgacga cactctcacgg ctagacgacg caccatggg ctagacgacg caccatggg ctagacgacg caccatggg ctagacgacg caccatggg cagacgacg cagacctacg cagacgacg caccacg gaagcacc acaggag gatctacacc acaggag cactacac cacagag cactacac cacagag cactacac cacagag caccacc cacagag caccac caccac caccac caccac caccac caccac	ccagotgaga tgcaagocag tgsaagoctg tgaagoctg caagacgtgcaacagocagacgcag tcagaacoct tgsagctcocac tgsagctcoc tgaaggtga tcagaggtga tcagaggtga tcagaggtga tcagaggtga tcagaggtga tgagcaaga tgatcagct tgagttagca tggagcaaga tgatcagct tgagttagcaga tgattagcag tggagcaga tgttagtaga tgttagtaga tgttgagcag tgttgagcag tgttgagcag tgttgagca tgttgagcag tgttgagcag tgttgagcag tgttgagcag tgttgagcag tgttagcag tgttagtag tgttgagcag tgttagtag tgttgagcag tgttagtag tgttgagcag tgttagtag tgttgagcag tgttagtag tgttgagcag tgttagtag ccaggacg caggacg caggacg gagttgagg caggacg gagttgagg caggacg gagttgagg caggacg gagttgagg caggacg gagttgagg caggacg gagttgagg	ccagaccag ctaggtagtc tgcccgcagc catgatcata gagttccatt tgatagtcg ctccatectg ctgcatectg gggttttcat gggttttcat gggttttcat gagtttcat cacacag ccacag ccacag ccacag ccactgaga catcag cactgaga catcacag gggtaga catcag cactgaga catcag cactgaga catcag cag cgagttgga ggggatga gggaga gggaga gggggtg ggggggtg catcacacag gggggttg catcacacag gggggttg catcacacag gggggata	4620 4740 4840 4860 4920 5040 5140 5160 5160 5160 5340 5460 55280 5540 55640 5580 5740 5740 5860 5860 6060 60120 60120 60120 60120 6030 6030
ctgragacoct ttctgggtta agcatcacce coggeogatc goggtcaggig goattggggg goattggggg ttttctgtgga ctctgtgga ctggacatr goagtgattc tgcaggatt gcactactoc gggctaagg aggtgactoc ttcagcoagg aggaccatr gaaccatr gaaccatr gaaccatr gaaccatr gaaccatr gaacacatr gaacacatr gaacacatr gaacacatr gaacacatr gaacacatr gaacacatr gaacacatr gaacacatr gaacacatca gaacacatca gaacacatca gaacacatca gaacacatca gaacacatca gaacacatca gaacacatca gaacacatca gaacacatca gaacacatca gaacacatca aggaggaca aggaggacta accatcatca accatcatca aggaggacta accatcatca aggaggacta	cocagoggata aactogtagg atgoggggco tggctgotgg gacacatata acatocaa fgtectgggg acacatata accagoggc tagatgggg tagatgggg tagatgggg tagatgggg tacogcaga atggagat tagggagat tggagaatatatttgtoco gcttcagag agcatgggg cttcagag agcatgggg cttgaagg accagoggg tggagat tggagcag tggagcagat tggagcagat tggagcagat tggagcagat tggagcagat tagaaggtggg tggaggagt tggagcagat tagatgagc tagagattagagg tggttgaaca tggttgaaca tggttgaaca tggttgaaca tggttgaaca tgagcactagag tggttgaaca	coccepts coccepts age of the control	agcatcaaag caccaggoga cacqttgaeg gtcatcctca ggggatcagtagtag gtcagtagag gatcagtagag gatcagtagag gatcagtagag gatcagtagag gatcagcactg gaggcccg gagcctgt gagcctgt caccaggg cagccttcc ctcagtgg caccttcagg gagccttc ctcagtgg cagcctgt gagcctgc gagaggctg caccagg gagcctg caccagg gacctgt caccagg gaacctg cacagg gaacctacc cacagg	ccagotgaga tgcaagcag tgsaagcetg tgcaagctgag tgaagcetg tgcatgccaa tgtogt tgtagccaa tgtogt tgtagcacag tgcagctcc tgacaggtg gcaagccag tgcaggctgt cgagactgta ccacagga tgcaccaggt tgagactgta tcacaggactgta tcacaggta tgagactgta tgagactgta tgagactgta tgagactgta tgcaccaggt tgagagcagat tgagactgta tgcaccagg tgagtygcgg tggagcagac tgagactgca tgcaccagc tgtagcagc tgttagcag tttgtagc tcacaggag ttcaggat ttcatgtact ttcatgtact	ccagaccag ctaggtagtc tgoccgoagc catgatcata gagttceatt tgatagtc tgatagtc tgatagtc tgatagtc tgatagtc tgatagtc tgatagtc tgatagtc tcctpagag gcatagt gcatcagc gctcatcag gccacaagtt gcactygca cctctagagg tgcactyagca ccatgagg catgagg catgagg catgagg catgagg catgagg catgagg cgagg cgagag cgagag cgagag cgagag cgagag cagagaaaa cggg tgtttt cggaaaaaa cggg tgtttt	4620 4740 4800 4740 4800 5040 5040 5100 5100 5100 5100 5100 51
ctgragacoc ttctgggtta agoatcacoc coggogatc goggtgaggt goatgggg cacagcotoc ggggagata tttctctgtg ctctgtgca ttgcagggagata aggacaty goaggagata tgcctcctca tgraggat goaggagata aggacaty goaggagata ctgcaggat goagata goaggagata tgcctcata goaggagata tgcctcata tgcaggat tgccacaty ctggggtc ctggggcc cccacctgg ggaccactg gaacaggag cccacctgg gaccacta gaacaggag cccacctgg agacaggag cccacctg	cocagoggate sactogtagy atgoggggeo tygotgotyg gacacataat gacagoggeo tagatygag gacagogge tagatygag tacogoaga atcatattt gyoggggt atcagoaga atcatattt gyagoggt agatatatt gyagoggt agatatatt gyagoggt agatygag tacagoaga atcatag	coccopyage cathygage cyttroatpo cacoctopic goacatygag cyttroatpo cacoctopic goacatygag goacacy aggacy cacocy cacog gaccacy gaccacy gaccacy gaccacy troag gygraccacy troag gygraccacy troag gygraccacy troag gygraccacy tragacy gygraccacy tragacy gygraccacy tragacy gygraccacy tragacy gygraccacy tragacy gygraccacy tragacy gygracy tragacy catcaaatco gygracy cacaaatco gygracy cacaatco gygracy gracy gr	agcatcaaag caccaggcga cacqttgagg gaaatctaagg gaaatctaagg gaaatctaagg gaaaagacaca agcagcacag ctcaaggacacag cactctaagg cagcactg cagcactg gaggcccg tacctaagg cagcactg cagcactg cagcactg cagcactg cagcactg cagcactg cagcactg caccagg caccagag caccagg caccagg caccagg caccagg caccagg caccagg caccacagg caccagg caccacagg caccagg	ccagctgaga tgcaggcag tgcaggcag tgaagccg aacattgtota aacattgtota aacattgtota aacattgtota tgtgcaggag tcaggagccag tcaggagccag tgaaggccag tgaaggccag tgaaggccag tgaaggccag tgaaggcag tgatgcag tgatgcag tgatgcag tgatgcag tgatgcag tgtagcag tgtagcag tgtagcag tgtagcag tagtagcag tagtag tagtagcag t	ccagaccag ctaggtagte tgcccgaage catagtagte tgcccgaage catcgtagtagte tgcctagtagte tgcctctagtag gcagatact gcgttttcat gcgttttcat gcgttttcat gcactagc gcccacaagt gcactagc cccacaagt gcactagc cccacaagt gcactcagc cccacaagt gcactcagc cccacacagt gcactcagc ccatcacac actgccac actgccac actgccac actgcgca acctggcac acctggcgc ccatcacc acggcgggaa catcggcac acctgggca catcacc acggcgggaa cctgggaag cctgggtgcac cgtggtgcac cgtggagac cgtgagac cgtggagac cgtggagac cgtggagac cgtggagac cgtggagac cgtggagac cgtgagac cgtggagac cgtggagac cgtggagac cgtggagac cgtggagac cgtgagac cgtggagac cgtggagac cgtggagac cgtggagac cgtggagac cgtggagac cgtggagac cgtggagac cgtgagac cgtgagac cgtggagac cgtggagac cgtgagac cgtggagac cgtggagac cgtggagac cgtggagac cgtggagac cgtggagac cgtggagac cgtgagac cgtggagac cgtgagac cgtgagac cgtgagac cgtgag	4620 4740 4840 4860 4980 5040 5140 5120 5120 5120 5120 5120 5120 5120 512
ctgragacoc ttctgggtta agoatcacoc coggogatc goggtgaggt goatgggg cacagcotoc ggggagata tttctctgtg ctctgtgca ttgcagggagata aggacaty goaggagata tgcctcctca tgraggat goaggagata aggacaty goaggagata ctgcaggat goagata goaggagata tgcctcata goaggagata tgcctcata tgcaggat tgccacaty ctggggtc ctggggcc cccacctgg ggaccactg gaacaggag cccacctgg gaccacta gaacaggag cccacctgg agacaggag cccacctg	cocagoggate sactogtagy atgoggggeo tygotgotyg gacacataat gacagoggeo tagatygag gacagogge tagatygag tacogoaga atcatattt gyoggggt atcagoaga atcatattt gyagoggt agatatatt gyagoggt agatatatt gyagoggt agatygag tacagoaga atcatag	coccopyage cathygage cyttroatpo cacoctopic goacatygag cyttroatpo cacoctopic goacatygag goacacy aggacy cacocy cacog gaccacy gaccacy gaccacy gaccacy troag gygraccacy troag gygraccacy troag gygraccacy troag gygraccacy tragacy gygraccacy tragacy gygraccacy tragacy gygraccacy tragacy gygraccacy tragacy gygraccacy tragacy gygracy tragacy catcaaatco gygracy cacaaatco gygracy cacaatco gygracy gracy gr	agcatcaaag caccaggcga cacqttgagg gaaatctaagg gaaatctaagg gaaatctaagg gaaaagacaca agcagcacag ctcaaggacacag cactctaagg cagcactg cagcactg gaggcccg tacctaagg cagcactg cagcactg cagcactg cagcactg cagcactg cagcactg cagcactg caccagg caccagag caccagg caccagg caccagg caccagg caccagg caccagg caccacagg caccagg caccacagg caccagg	ccagctgaga tgcaggcag tgcaggcag tgaagccg aacattgtota aacattgtota aacattgtota aacattgtota tgtgcaggag tcaggagccag tcaggagccag tgaaggccag tgaaggccag tgaaggccag tgaaggccag tgaaggcag tgatgcag tgatgcag tgatgcag tgatgcag tgatgcag tgtagcag tgtagcag tgtagcag tgtagcag tagtagcag tagtag tagtagcag t	ccagaccag ctaggtagte tgcccgaage catagtagte tgcccgaage catcgtagtagte tgcctagtagte tgcctctagtag gcagatact gcgttttcat gcgttttcat gcgttttcat gcactagc gcccacaagt gcactagc cccacaagt gcactagc cccacaagt gcactcagc cccacaagt gcactcagc cccacacagt gcactcagc ccatcacac actgccac actgccac actgccac actgcgca acctggcac acctggcgc ccatcacc acggcgggaa catcggcac acctgggca catcacc acggcgggaa cctgggaag cctgggtgcac cgtggtgcac cgtggagac cgtgagac cgtggagac cgtggagac cgtggagac cgtggagac cgtggagac cgtggagac cgtgagac cgtggagac cgtggagac cgtggagac cgtggagac cgtggagac cgtgagac cgtggagac cgtggagac cgtggagac cgtggagac cgtggagac cgtggagac cgtggagac cgtggagac cgtgagac cgtgagac cgtggagac cgtggagac cgtgagac cgtggagac cgtggagac cgtggagac cgtggagac cgtggagac cgtggagac cgtggagac cgtgagac cgtggagac cgtgagac cgtgagac cgtgagac cgtgag	4620 4740 4840 4860 4980 5040 5140 5120 5120 5120 5120 5120 5120 5120 512
ctgragacoct ttctgggtta agoatcacoc coggocgatc gogytgoagg goattgggga goattggga tttctctgtg ctctgtgga acggacatg goagtgattc tgcctcctoc gggctcaagg aggtgactoc ttcagcaag aggtgactoc ctcgaggac agaaccatg gaaaccatg gaaaccatg gaaaccatg gaaacactgg gaaacactgg gaaacactg gaaacactgg agaaccatg gaaacactgg agaaccatg agaaccatg agaaccatg agaaccatg agaaccatg agaaccatg acaacacacacacacacacacacacacacacacacaca	cocagoggat aactegtagg atgoggggee tygotgggggggggggggggggggggggggggggggggg	coccopying calculations of the control of the contr	agcatcaaag caccaggoga cacqttgaeg gtcatcctoa gatcagtag gtcatcctoa gatcagtag gatcagtag gatcagtag gatcagtag gatcagtag gatcagtag gatcagtag cactctcacgg cagcactg gagcactg gagcottg cagcagt gatcagtag caccagg cacctg caccagg cacctg caccagg cacctg caccagg gatcact gaag gatcact gaag gatcact gaag gatcact gaag gatcac gaag gatcac gaag gatcac gaag gatcac gatatcat gag ggttttc atccataaga gatcat atctcacq acaggagtat ttctccct cacatcagc cacadcag gacctcd cacatcag gc cactcctg gatcac gatcac gatcac gatcac gatcac gatcac acacatcag gc gcctcctcg gc cacacatcag gc gcctcctcctg	ccagotgaga tgcaagcag tgsaagcetg gtgaagcetg gcatgcccag atcaggacet tgtgcacag tgcagcccag tgcagcccag tgcagcccag tgcagcccc tgacaggtg gcaagcccc tgcaggctcc tgcaagccag tgcagccgc tggagcagct tggagcagcagc tggagcagct tggagcagcagc tggagcagcagc tgtagcagcagc tgtagcagcagc tgtagcagc tgttagcag tgttcttagc tgttagcat tctttagcag tcttctttac tctttagc tcttctttac tctttagcat tcttctttac tcttcttttac tcttctttac tcttcttttac tcttctttac tcttctttac tcttcttttac tcttcttttac tcttctttac tcttcttctttac tcttcttctttac tcttcttctttac tcttcac tcttcaccac tccac tc	ccagaccag ctaggtagtc tgoccgoagc catgatcata gagttcoatt tgatagtctcat tgatagtctg ctoctgagag cgaaggtact gggttttcat gagttttcat gggttttcat ccacagaa cctcacagaa catgacgc cactgacgc cactcacag cagagctgac cacagag cagaaccag cagaacag cagaaacag cagaaacag ccttgatgac ccttgatgac ccttgatgac ccttgatgac ccc caccacag cacaaacag ccacaaacag ccttgatgac	4620 4740 4840 4840 4890 4990 5100 5120 5220 5340 5520 5700 5840 5700 5820 5700 5820 5700 6060 6120 6060 6120 6360 6360 6420
ctgragacoct ttctgggtta agoatcacoc coggocgatc gogytgoagg goattgggga goattggga tttctctgtg ctctgtgga acggacatg goagtgattc tgcctcctoc gggctcaagg aggtgactoc ttcagcaag aggtgactoc ctcgaggac agaaccatg gaaaccatg gaaaccatg gaaaccatg gaaacactgg gaaacactgg gaaacactg gaaacactgg agaaccatg gaaacactgg agaaccatg agaaccatg agaaccatg agaaccatg agaaccatg agaaccatg acaacacacacacacacacacacacacacacacacaca	cocagoggat aactegtagg atgoggggee tygotgggggggggggggggggggggggggggggggggg	coccopying calculations of the control of the contr	agcatcaaag caccaggoga cacqttgaeg gtcatcctoa gatcagtag gtcatcctoa gatcagtag gatcagtag gatcagtag gatcagtag gatcagtag gatcagtag gatcagtag cactctcacgg cagcactg gagcactg gagcottg cagcagt gatcagtag caccagg cacctg caccagg cacctg caccagg cacctg caccagg gatcact gaag gatcact gaag gatcact gaag gatcact gaag gatcac gaag gatcac gaag gatcac gaag gatcac gatatcat gag ggttttc atccataaga gatcat atctcacq acaggagtat ttctccct cacatcagc cacadcag gacctcd cacatcag gc cactcctg gatcac gatcac gatcac gatcac gatcac gatcac acacatcag gc gcctcctcg gc cacacatcag gc gcctcctcctg	ccagctgaga tgcaggcag tgcaggcag tgaagccg aacattgtota aacattgtota aacattgtota aacattgtota tgtgcaggag tcaggagccag tcaggagccag tgaaggccag tgaaggccag tgaaggccag tgaaggccag tgaaggcag tgatgcag tgatgcag tgatgcag tgatgcag tgatgcag tgtagcag tgtagcag tgtagcag tgtagcag tagtagcag tagtag tagtagcag t	ccagaccag ctaggtagtc tgoccgoagc catgatcata gagttcoatt tgatagtctcat tgatagtctg ctoctgagag cgaaggtact gggttttcat gagttttcat gggttttcat ccacagaa cctcacagaa catgacgc cactgacgc cactcacag cagagctgac cacagag cagaaccag cagaacag cagaaacag cagaaacag ccttgatgac ccttgatgac ccttgatgac ccttgatgac ccc caccacag cacaaacag ccacaaacag ccttgatgac	4620 4740 4840 4840 4890 4990 5100 5120 5220 5340 5520 5700 5840 5700 5820 5700 5820 5700 6060 6120 6060 6120 6360 6360 6420

WO 01/77389 PCT/US01/11128 ctgctcatce accaccage cagtgccage cagtgcttca gcctcaaggt tcagatccat 6600

```
cccttgcagt cccacgatta ggtcttcttc cattgcttgg ccgagcttct tcattttgcc 6660
tttettettt accteegeta gattggggat agagegggga acggetecet ttttaatatt 6720
tegettegaa gtgacactgg agteetgagg gggcgactgg gggttetgee taettetteg 6780 etgeetggtt gtggtggaat eetggeeggt tgaggteata gttgaggagg ettggeeeet 6840
geographic threather characters constants that the description of the second constants of the second constant of the second
aggggactge cecgtteett caaccagete caccecetge ccagacceg
<210> 273
<211> 3458
<212> DNA
<213> Homo sapiens
2220×
<221> misc feature
<223> Incyte ID No: 395096.3
ggttgttget gtagtggegg agaggategt ggtaetgeta tggeggaate ateggaatee 60
ttcaccatgg catccagccc ggcccagcgt cggcgaggca atgatectet cacctccage 120
cctggccgaa gctcccggcg tactgatgcc ctcacctcca gccctggccg tgaccttcca 180
ccattlyang algastoga ggggclecta ggcacagag ggccectiga ggaagaagag 240
galggagagg agcteattg agattgcatg gaaagggact accgogcat ccaagagctg 300
gacgcctatg aggccagagg actgactctg gatagtagag acqtagagga cctaacgcgc 360
agtcagaggg agg
ctgggcegca tgcgccgtgg gctcctgtat gacagegatg aggaggacga ggagcgccct 480
gcccgcaage gccgccaggt ggagcgggcc acggaggacg gcgaggagga cgaggagtg 540
attgagagca tcgagaacct gyaggatatt
atggcgggcc cccggctgga gatccaccac cgcttcaaga acttactgcg cactcacgtc 660
gacagccacg gccacaacgt cttcaaggag cgcatcagcg acatgtgcaa agagaaccgt 720
gagageetgg tggtgaacta tgaggaettg geageeaggg ageaegtget ggeetaette 780
ctgcctgagg caccggcgga gctgctgcag atctttgatg aggctgccct ggaggtggta 840
ctggccatgt accccaagta cgaccgcatc accaaccaca tecatgtecg cateteccae 900
ctgcctctgg tggaggaget gegetegetg aggegagetg agggcaggea getgcatetg 960. aaccagetga teegcaccag tggggtggtg aecagetgca etggegteet geeceagete 1020
ageatogtea agtacaactg caacaagtgc aatttegtee toggteettt etgecagtee 1080
cagaaccagg aggtgaaacc aggeteetgt cetgagtgee agteggeegg eccetttgag 1140
gteaacatgg aggagaccat ctateagaac taceagegta tecgaateea ggagagteea 1200
ggcaaagtgg cggctggccg gctgccccgc tccaaggacg ccattctcct cgcagatetg 1260
gtggacaget gcaagccagg agacgagata gagctgactg gcatctatca caacaactat 1320
gatggeteee teaacactge caatggette cetgtetttg ceactgteat cetagecaac 1380 caegtggeea agaaggacaa caaggttget gtaggggaac tgacegatga agatgtgaag 1440
atgateacta geeteteeaa ggateageag ateggagaga agatetttge cageattget 1500
cettecatet atggteatga agacateaag agaggeetgg etetggeeet gtteggaggg 1560
gageccaaaa acccaggtgg caagcacaag gtacgtggtg atatcaacgt getettgtge 1620
ggagaccetg gcacagegaa gtegcagttt etcaagtata ttgagaaagt gtecageega 1680
gecatettea ceaetggeca gggggeegte ggetgtggge etcaeggegt atgtecageg 1740
gcaccetgte agcagggagt ggacettgga ggetgggge etggttetgg etgacegagg 1800
agtgtgtete attgatgaat ttgacaagat gaatgaceag gacagaacea gcatecatga 1860
ggccatggag caacagagca totocatote gaaggetgge ategteacet coetgeagge 1920
togotgoacg gtcattgotg cogcoaccc cataggaggg cgctacgace cotcgctgac 1980
ttttetetga acettgace teacagage catcateta egetttgaca tettgitga 1930
ttttetetga acettgace eachecaga capakigti gecegette tggtgggat 2100
ceacyteaga caccaccea geaacaaga ggaggaggg etggcaatg cagcette
tgagecegec atgeccaaca cgtatggegt ggagecectg ccccaggagg teetgaagaa 2220
gtacatcate tacgecaagg agagggteca eccgaagete aaccagatgg accaggacaa 2280
ggtggccaag atgtacagtg acctgaggaa agaatctatg gcgacaggca gcatccccat 2340
tacggtgcgg cacatcgagt coatgatecg catggcggag gcccacgcgc gcatccatct 2400 gcgggactat gtgatcgaag acgacgtcaa catggccatc cgcgtgatgc tggagagctt 2460
catagacaca cagaagttca gcgtcatgcg cagcatgcgc aagacttttg eccgctacet 2520
tteatteegg egtgacaaca atgagetott getetteata etgaageagt tagtggcaga 2580
gcaggtgaca tateagegea accgettigg ggcccagcag gacactatig aggtccctga 2640
gaggtgactig gtgatagg ctegtcagat caacatecac aacctetct cattitata 2700
cagtgagetc theaggatga acaagtteag ccagacetg aaaaggaaaa tgatectgea 270
geagttetga ggeectatge catecataag gatteettat ggatggeata gggattetga 2820
tttggggtgg teagtgeect etgtgettta tggacacaaa accagageac ttgatgaact 2880
eggggtacta gggteaggge ttatageagg atgtetgget geacetggea tgaetgtttg 2940
```

```
ttteteeaag eetgettigt getteteace tttgggtggg atgeettgee agtgtgtett 3000
acttggttgc tgaacatctt gccacctccg agtgctttgt ctccactcag taccttggat 3060
cagagetget gagtteagga tgeetgegtg tggtttaggt gttageette ttacatggat 3120
gteaggagag etgetgeeet ettggegtga gttgegtatt eaggetgett ttgetgeett 3180
tggccagaga gctggttgaa gatgtttgta atcgttttca gtctcctgca ggtttctqtg 3240
ggggtgggat gtgagteatg eggattatec actegecaca gttateaget gecattgete 3360
cetytetytt tececactet ettatttyty cattegyttt gytttetyta yttttaattt 3420
ttaataaagt tgaataaaat ataaaaaaaa aaaaaaag
<210> 274
<211> 1447
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> Incyte ID No: 374086.1
<221> unsure
<222> 718-784
<223> a, t, c, g, or other
<400> 274
agagagtgag gaggetgegt etggeteeeg eteteaeage cattgeagta cattgagete 60
catagagaca gegeegggge aagtgagage eggaegggaa etgggegaet etgtgeeteg 120
ctgaggaaaa ataactaaac atgggcaaag gagatcctaa gaagccgaga ggcaaaatgt 180
catcatatgc attittitgt caaacttgtc gggaggagca taagaagaag cacccagatg 240 cttcagtcaa cttctcagag tittctaaga agtgctcaga gaggtggaag accatgtctg 300
ctaaagagaa aggaaaattt gaagatatgg caaaagcgga caaggcccgt tatgaaagag 360
aaatgaaaac ctatatccct cccaaagggg agacaaaaaa gaagttcaag gatcccaatg 420
cacccaagag gectectteg geettettee tettetgete tgagtatege ceaaaaatea 480
aaggagaaca teetggeetg teeattggtg atgttgegaa gaaactggga gagatgtgga 540
ataacactgc tgcagatgac.aagcagcctt atgaaaagaa ggctgcgaag ctgaaggaaa 600
aatacqaaaa qqatattqct qcatatcqaq ctaaaqqaaa qcctqatqca qcaaaaaaqq 660
gagttgtcaa ggctgaaaaa agcaagaaaa agaaggaaga ggaggaagat gaggaagmnn 720
nnmataagt tggttetage geagtttttt tttttetggt etataaagea tttaaceee 840 etgtacacaa eteaeteett ttaaagaaaa aaattgaaat gtaaggetgt gtaagatttg 900
tttttaaact gtacagggtc tttttttgta tagttaacac actaccgaat gtgtctttag 960
atagecetgt cetggtggta ttttcaatag ceactaacet tgeetggtae agtatggggg 1020
ttgtaaattg gcatggaaat ttaaagcagg ttcttgttgg tgcacagcac aaattagtta 1080 tatatgggga tggtagtttt ttcatcttca gttgtctctg atgcagctta tacgaaataa 1140
gttttgttga cattctgaat gcttctaagt aaatacaatt tttaaaaaac cgtatgaggg 1260
aactgigtag acaaggiacc aggicagict tettecatgi etattagete cacaaagcca 1320
atotcaatoc otoaaaacaa tottgtoata ottgaaaata tgacactota gtcaaagoot 1380
tggtaaaata atoagtgttt ocaatotgto otgtacaaa agaaacagat tattattgaa 1440
cttatoc
<210> 275
<211> 1365
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte ID No: 444495.4
<221> unsure
<222> 1361
<223> a, t, c, g, or other
<400> 275
aggggteca aagtgeteag eeceegggge acageaggae gtttqgggge ettettteag 60
```

256/257

cagggacaa cegattggg ctggggatac cegtttetet agettggaggaggacaac acttetgtga tacagtecec agactgtete tgacttaate agacgactgtet tgggagacaca ctgetaate cgtggtgtec attggegtet ettggecaac attgggtte ctgggacaca cagacacaca cagacacaca cagacacaca cagacacaca cagacacaca cagacacaca cagacacaca cagacacaca cactea tacagacacacacacacacacacacacacacacacacaca	cettggtte cettggtte ceccaggae tggcaagge gcagagagt gcagagagt gcagagagt gaggaactt aggeatggae caggaet caggaet caggaet caggaet caggaet caggaet ctgaccatt ctgacca	180 240 360 420 480 560 660 672 780 840 900 1020 1140 1260
<221> misc_feature		
<223> Incyte ID No: 474876.2		
<400> 276 gggtyaaagg toatagtoot gtttggcggc catttetett gaaactgcg gegggtacetg etgtagteag atgagttae coctoaatec caaacettt taacaggaaa gecaggtagggggggggggggggggggggggggggggggg	g agtagoetge c cteaatggac c cteaatggac c atagatggag c tatatcagag t taggggattt a cttgtgaact g aaagattact c ttttgtaage t attttatga c tttaga	120 180 240 300 360 420 480 540 600 660 720